



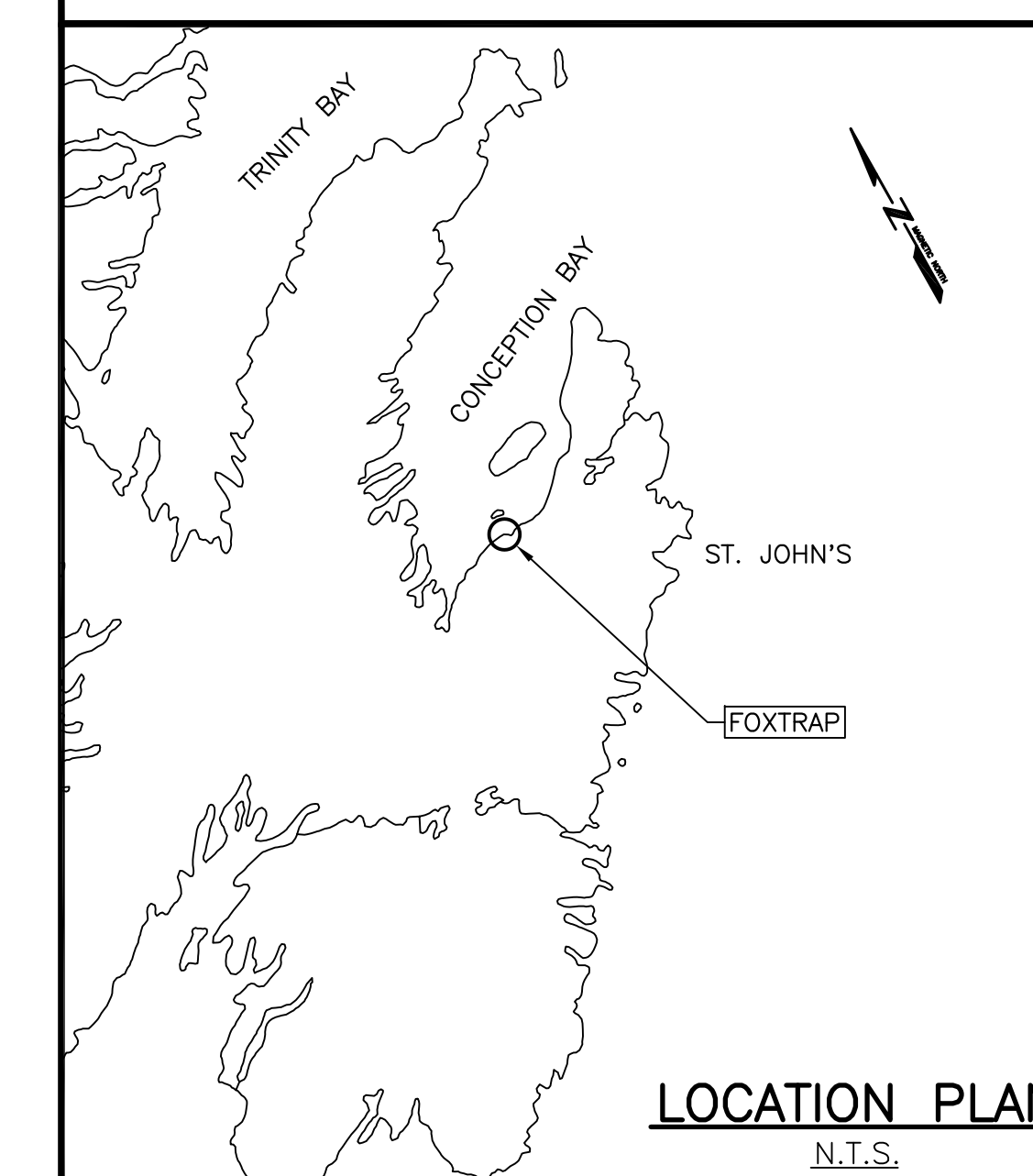
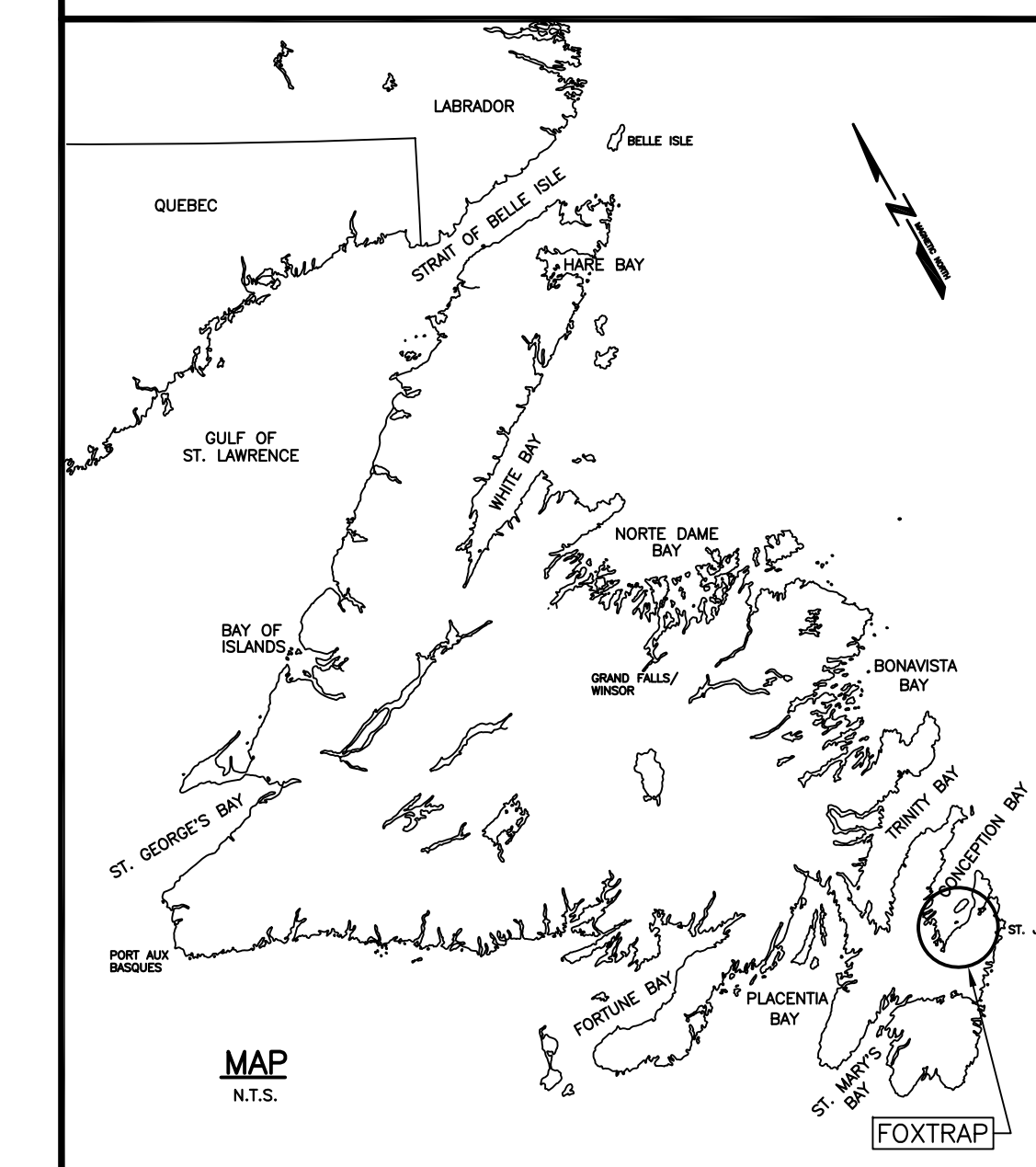
FISHERIES AND OCEANS CANADA

SMALL CRAFT HARBOURS



ELECTRICAL REPAIRS WHARF 401 FOXTRAP NEWFOUNDLAND AND LABRADOR

PROJECT No. C2-00471 ISSUED FOR TENDER



LIST OF DRAWINGS:

C1 OF 4	DEMOLITION PLAN	E1 OF 5	EXISTING SITE PLAN
C2 OF 4	NEW SITE PLAN	E2 OF 5	NEW SITE PLAN
C3 OF 4	ELECTRICAL SHED, POLE AND TRENCH DETAIL	E3 OF 5	NEW WHARF PLAN AND ELECTRICAL DETAILS
C4 OF 4	FENDER DETAILS TO ACCOMMODATE CONDUIT	E4 OF 5	ELECTRICAL DETAILS
		E5 OF 5	ELECTRICAL DETAILS

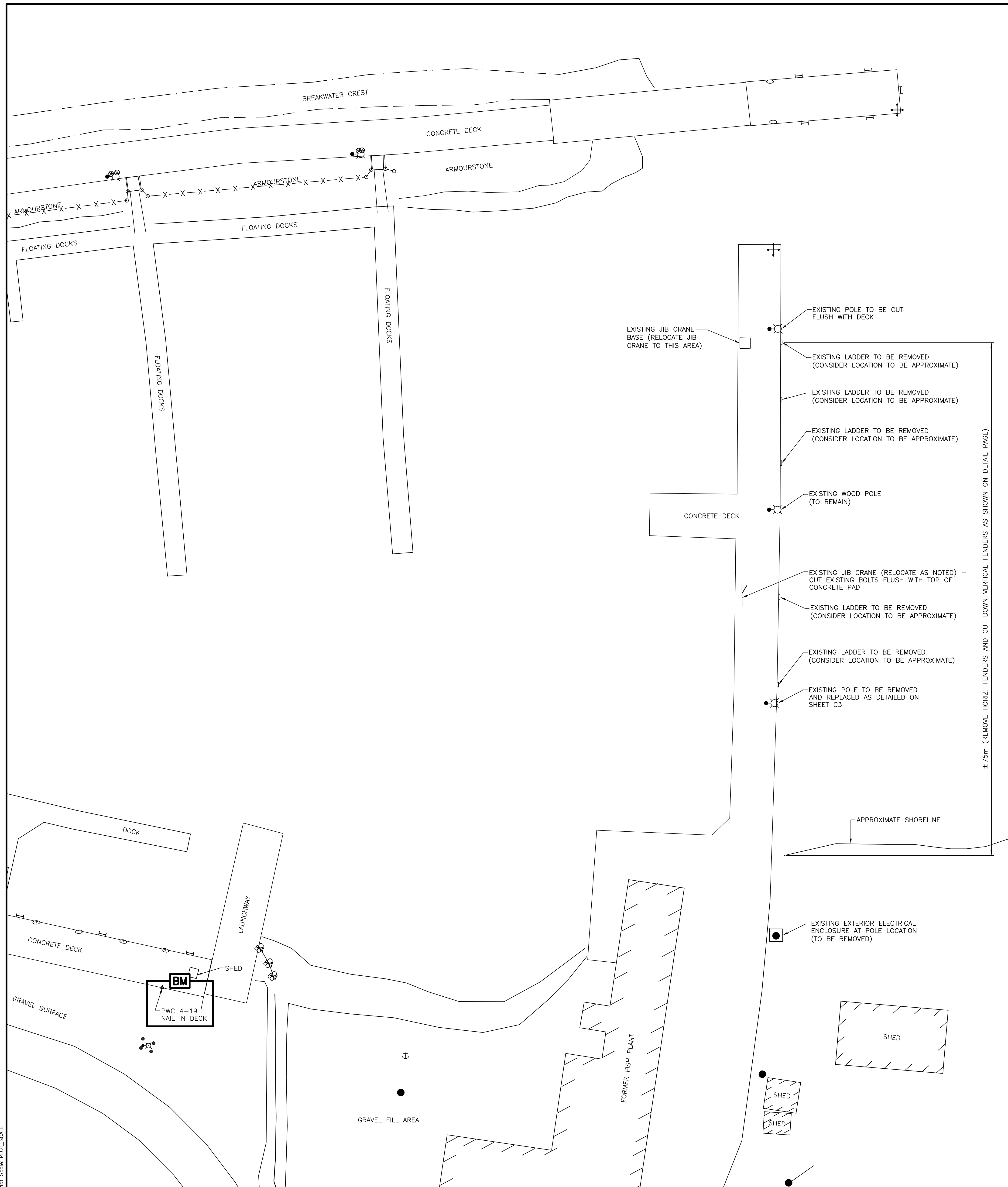
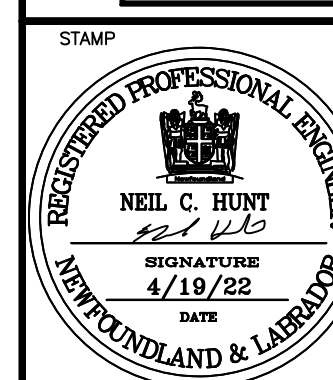
SMALL CRAFT HARBOURS



NOTES:
 1. ALL ELEVATIONS ARE IN METRES UNLESS OTHERWISE NOTED.
 2. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED.

PROVINCE OF NEWFOUNDLAND
 PERMIT HOLDER
 This Permit Allows
 APN ENGINEERING INC.

To practice Professional Engineering in Newfoundland and Labrador: 2011 ULO
 Permit No. as issued by APGNL E0282
 which is valid for the year 2022



LEGEND

- SYMBOLS**
- ACQUACULTURE
 - ANCHOR BLOCK
 - BOLLARD
 - BOREHOLE
 - BOUNDARY MARKER
 - CARD POSITION BODY
 - CATCH BASIN
 - CLEAT
 - CULVERT
 - DERRICK
 - DISPOSAL
 - DREDGE CONTROL
 - ELECTRICAL OUTLET
 - FIRE HYDRANT
 - FIRST AID
 - FISH HANDLING EQUIP.
 - FDG HORN
 - FUEL PUMP
 - H PILE
 - HORIZONTAL CONTROL
 - ICE PLANT
 - INVERT PIPE
 - JIB CRANE
 - FLAG POLE
 - LADDER
 - LIFE RING
 - LIGHT STANDARD
 - MANHOLE
 - MARSH
 - MAST/TOWER
 - NAVIGATION LIGHT
 - OBSERVED BODY
 - OBSERVED SPAR BODY
 - PIPE PILE
 - RANGE LIGHT
 - SAFETY POST
 - SEWER OUTFLOW PIPE
 - SIGN
 - TELEPHONE
 - TELEPHONE POLE
 - TIDE GAUGE/STAFF
 - TREE
 - UTILITY POLE
 - VERTICAL CONTROL
 - WATER TAP/OUTLET
 - WATER VALVE
 - WATER WELL
 - WOOD PILE
- LINE TYPE**
- ARMOUR STONE
 - CL RAILROAD
 - DRAIN PIPE
 - EDGE ROAD / SHOULDER
 - FENCE LINE
 - FLOATING WAVEBREAK
 - GUARD RAIL
 - HIGH WATER MARK
 - LOW WATER MARK
 - MARSH OUTLINE
 - PROPERTY BOUNDARY
 - RANGE LIGHT EXTENSION
 - RETAINING WALL
 - RIPRAP
 - TIE OF BANK
 - TREE LINE
 - UNDERGROUND CABLE

NOTES

SURVEY PARTY CHIEF EDDIE BEARNS
SURVEY VESSEL ALUMINUM BOAT
SURVEY DATE(S) BETWEEN MAY 13,2019 & AUGUST 22,2019

SOUNDER TYPE: SINGLE TRANSDUCER
SOUNDER SETTING MIN/INST VEL. OF SOUND 1520 m/s
DEPTH GATE USED N/A FRE. OF TRANS. 210 kHz

POSITIONING SYSTEM USED DGPS (WITH OTF)
LAND SURVEY POSITION BY DGPS (WITH OTF)

DATA TAPE/DISC(S) USED
CAD DRAWING FILE(S):

TIDAL REDUCTION SCHEME

OFFICE PROCESSOR EDDIE BEARNS
DATE OF PROCESSING AUGUST 2019

MODE OF PLOTTING LEAST OF MINIMUM DEPTHS
MATRIX CELL WIDTH X LENGTH
REDUCTION OF MATRIX CELLS

CONTROL POINTS:	PL. NAME	EASTING	NORTHING	CD ELEV	DESCRIPTION
PWC 1-19	349474.590	5264166.805	+2.78m	NAIL IN WOODEN DECK	
PWC 2-19	349719.155	5264192.465	+2.53m	NAIL CEMENTED IN CONCRETE DECK	
PWC 3-19	349719.155	5264192.465	+2.65m	NAIL CEMENTED IN CONCRETE BLOCK	
PWC 4-19	349719.155	5264192.465	+2.514m	NAIL CEMENTED IN CONCRETE DECK	

ALL SOUNDINGS & ELEVATIONS IN METRES.
 ALL SOUNDINGS & ELEVATIONS REFERRED TO PWC 1-19 ELEV.+4.78 m WAS ESTABLISHED BY WATER LEVEL TRANSFER FROM CHS BM 1-1974 LOCATED AT LONG POND,MANUELS ON JUNE 25,1986.

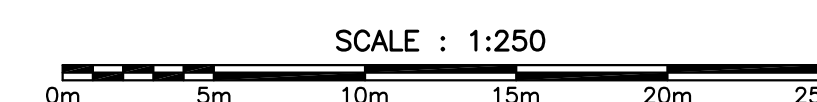
SOUNDINGS TAKEN USING A NAVISOUND 210 ECHO SOUNDER AND POSITIONED USING TRIMBLE R7 GNSS DGPS SURVEY EQUIPMENT ON MAY30, 2019 BY PWC SURVEY CREW.

COORDINATES FOR HORIZONTAL CONTROL ARE GIVEN ON THE U.T.M. MAPPING PLANE, ZONE 22, USING THE NORTH AMERICAN DATUM OF 1983(NAD83).

SOUNDINGS WERE REDUCED BY DIGITRACE & RE-CHECKED FROM SOUNDING CHARTS BEFORE BEING CORRECTED FOR TIDE & BAR CHECK CORRECTION.

SOUNDINGS WERE REDUCED USING HYPACK MAX VER.2013"A".

ALL FIELD NOTES ARE IN FOXTRAP BOOK #109.



A	ISSUED FOR TENDER	4/19/22
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revisions		date
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project		project
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**ELECTRICAL REPAIRS
 WHARF 401
 FOXTRAP, NL**

drawing		design
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DEMOLITION PLAN

designed N.H.		concu
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date	APRIL 19, 2022	
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drawn	P.H.	design
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date	APRIL 19, 2022	
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approved		approve
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Tender	Paul Curran	Submission
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DFD Project Manager		
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project number	C2-00471	no. du projet
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drawing no.	C1 OF 4	no. du dessin
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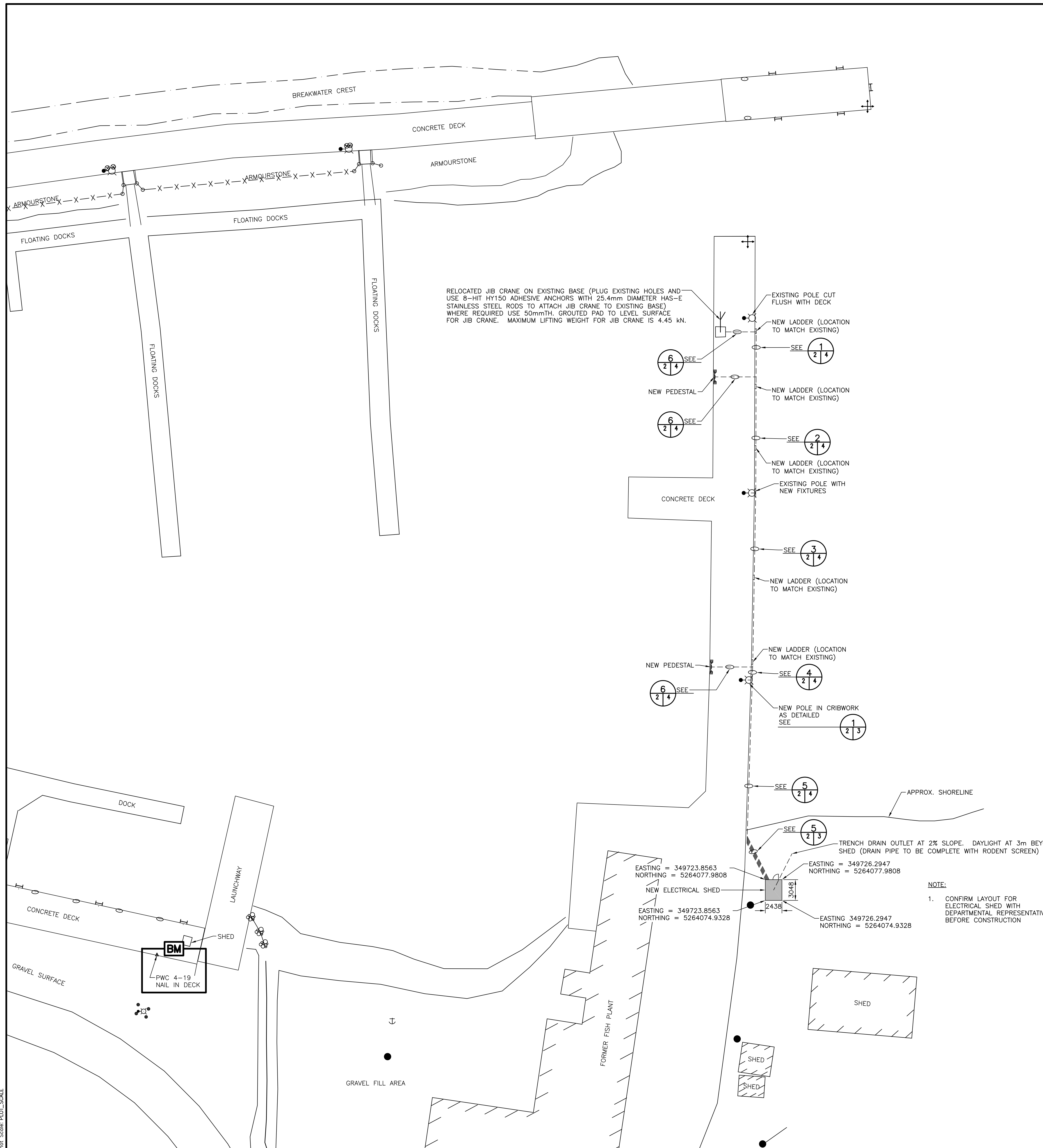
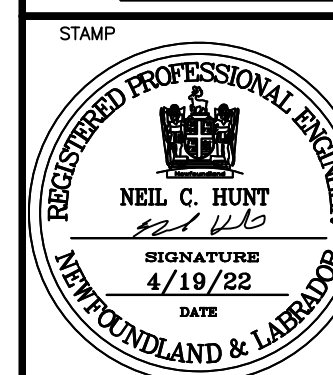
SMALL CRAFT HARBOURS



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 POSITIONING SYSTEM USED: DGPS (WITH OTF)
 LAND SURVEY POSITION BY: DGPS (WITH OTF)
 DATA TAPE/DISC(S) USED:
 CAD DRAWING FILE(S):

TIDAL REDUCTION SCHEME

OFFICE PROCESSOR: EDDIE BEARNS
 DATE OF PROCESSING: AUGUST 2019

MODE OF PLOTTING: LEAST OF MINIMUM DEPTHS
 MATRIX CELL WIDTH X LENGTH:
 REDUCTION OF MATRIX CELLS:

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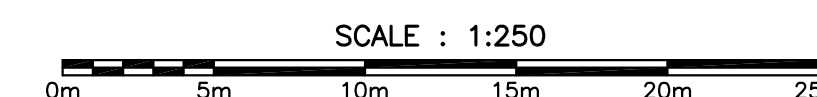
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A	ISSUED FOR REVIEW	4/19/22
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revisions		date
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project		project
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ELECTRICAL REPAIRS
 WHARF 401
 FOXTRAP, NL

drawing		design
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NEW SITE PLAN

designed N.H.		concu
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date	APRIL 19, 2022	
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drawn	P.H.	design
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date	APRIL 19, 2022	
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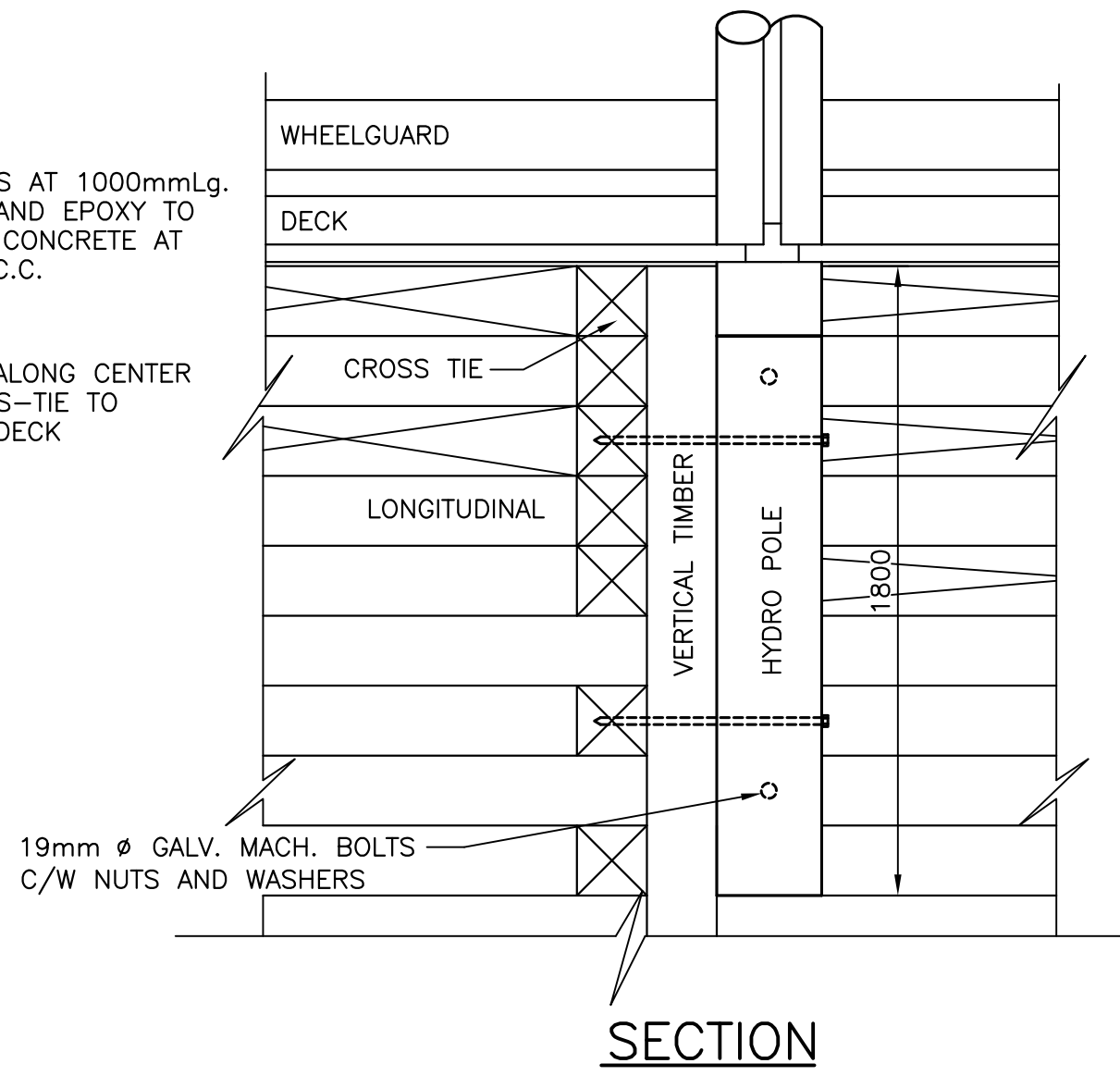
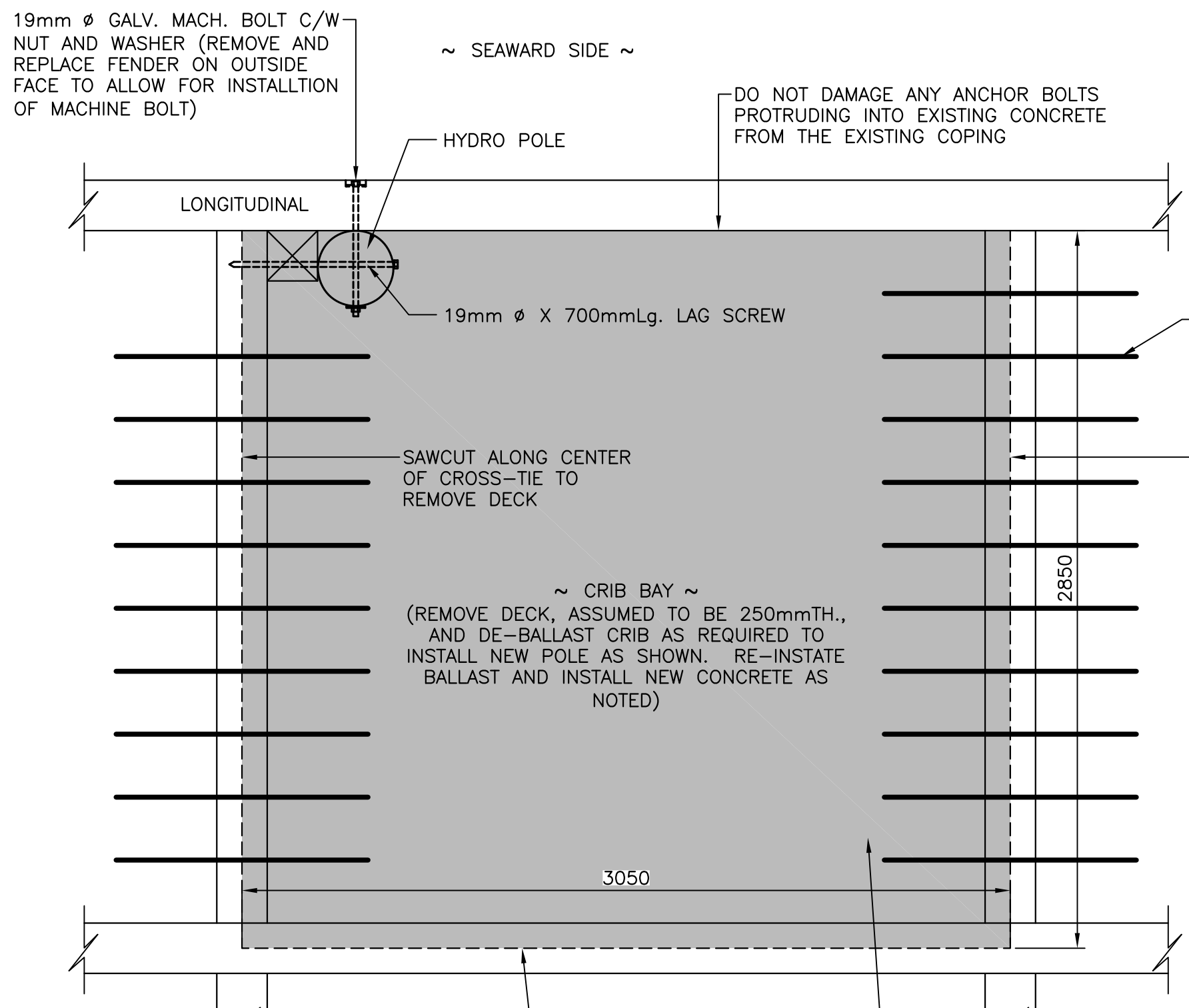
approved		approve
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Tender	Paul Curran	Submission
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DFO Project Manager		
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project number	C2-00471	no. du projet
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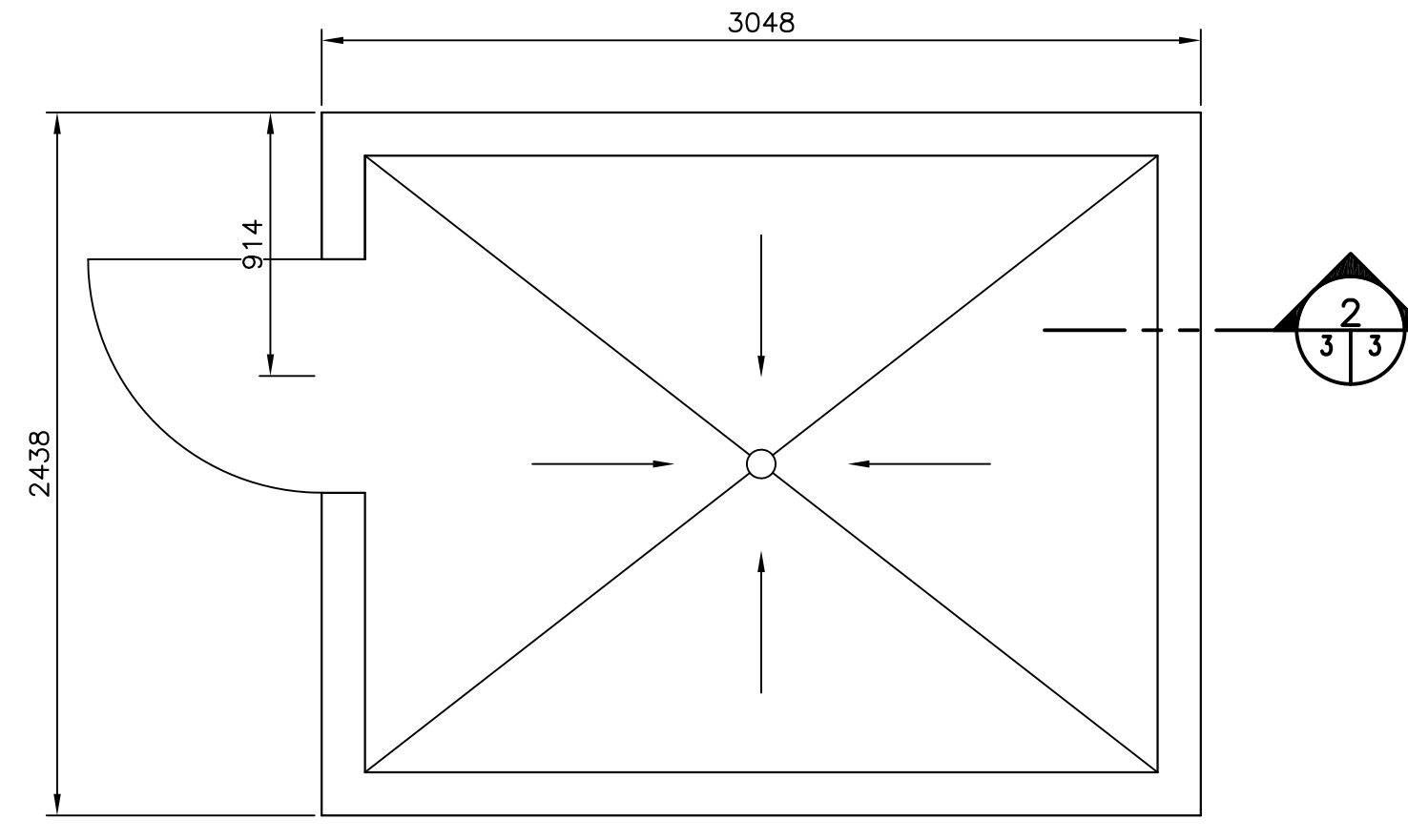
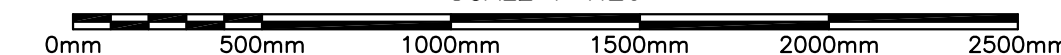
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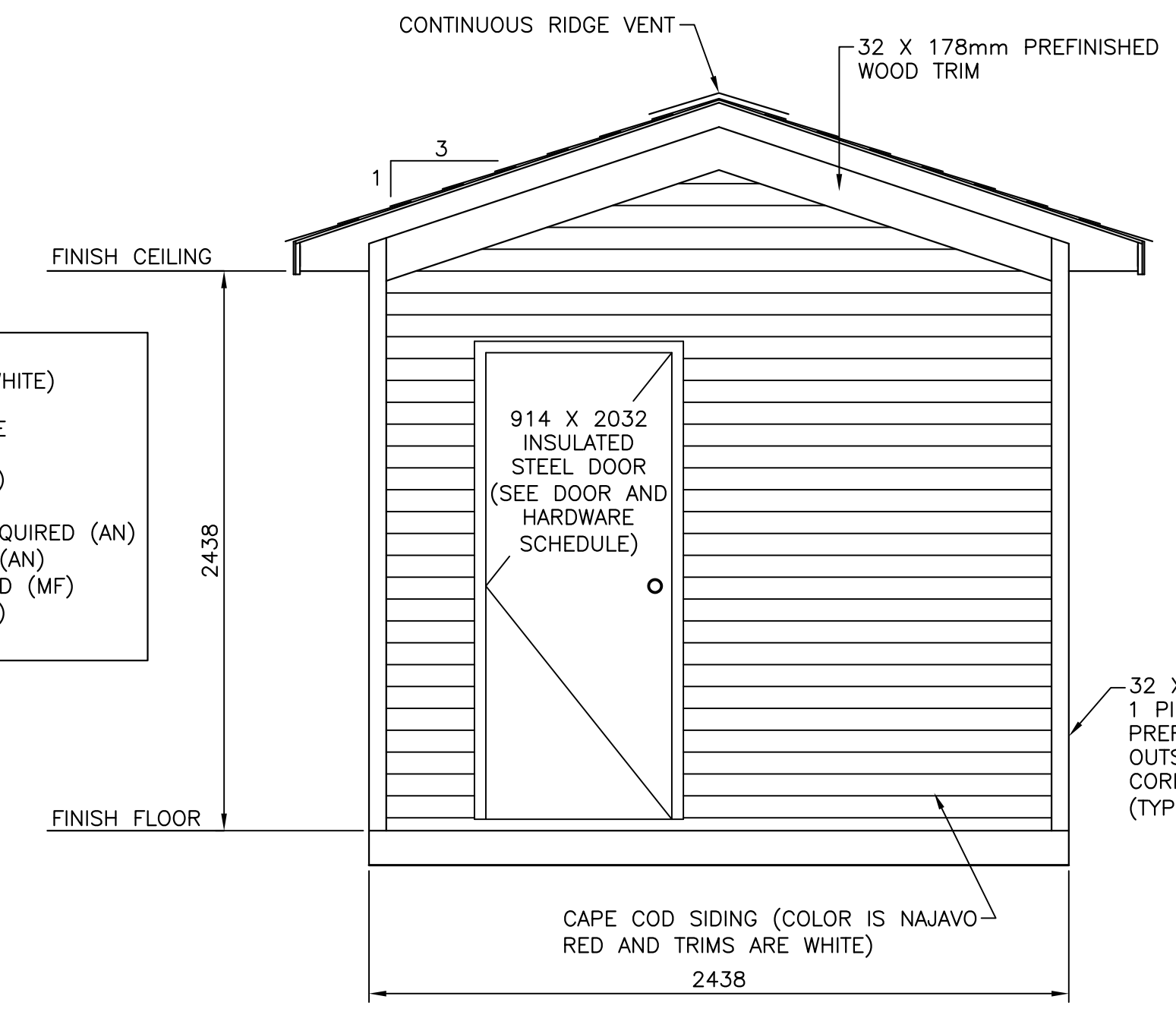
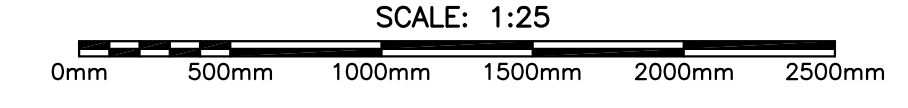
NOTE:
 1. NEW TRANSVERSE STEEL FOR CONCRETE REPLACED IN CRIB BAY IS 15M AT 150MM.
 2. NEW LONGITUDINAL STEEL FOR CONCRETE REPLACED IN CRIB BAY IS 20M AT 125MM (SPliced TO EXISTING X 780MM).

PLAN

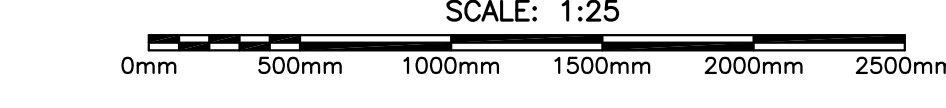
NEW POLE IN EXISTING CRIBWORK
 SCALE: 1:20



ELECTRICAL SHED - PLAN

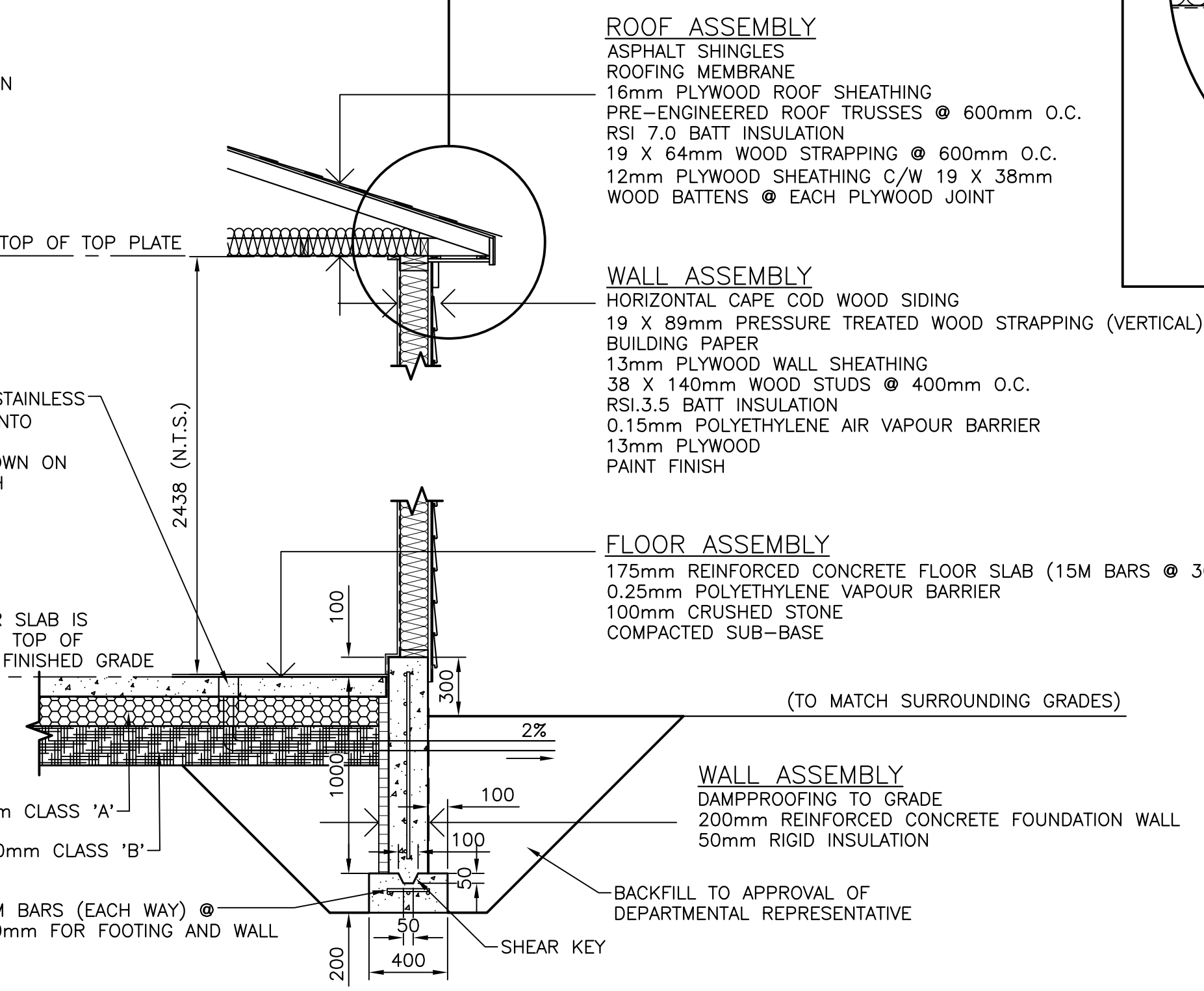


ELECTRICAL SHED - ELEVATION

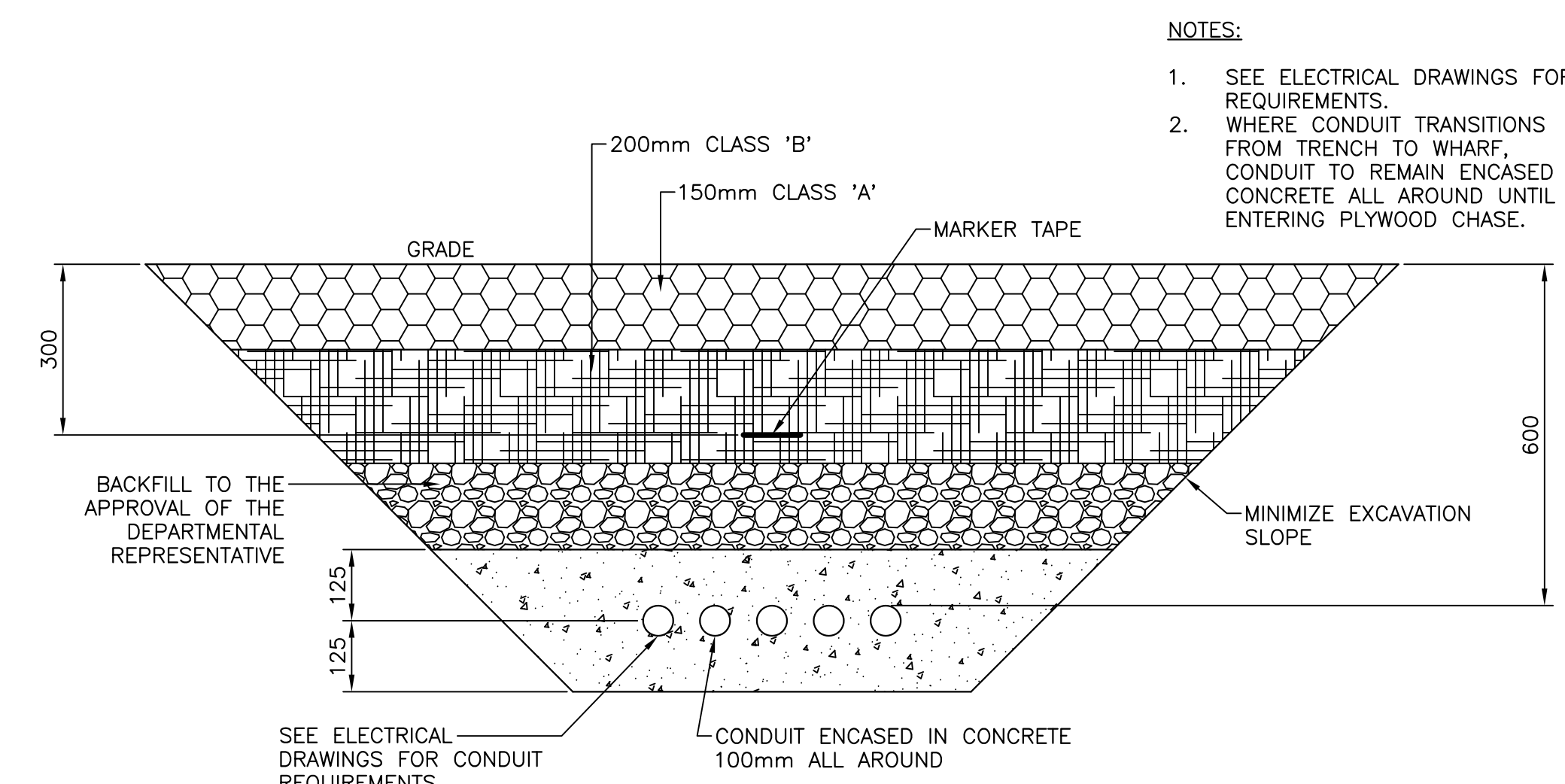
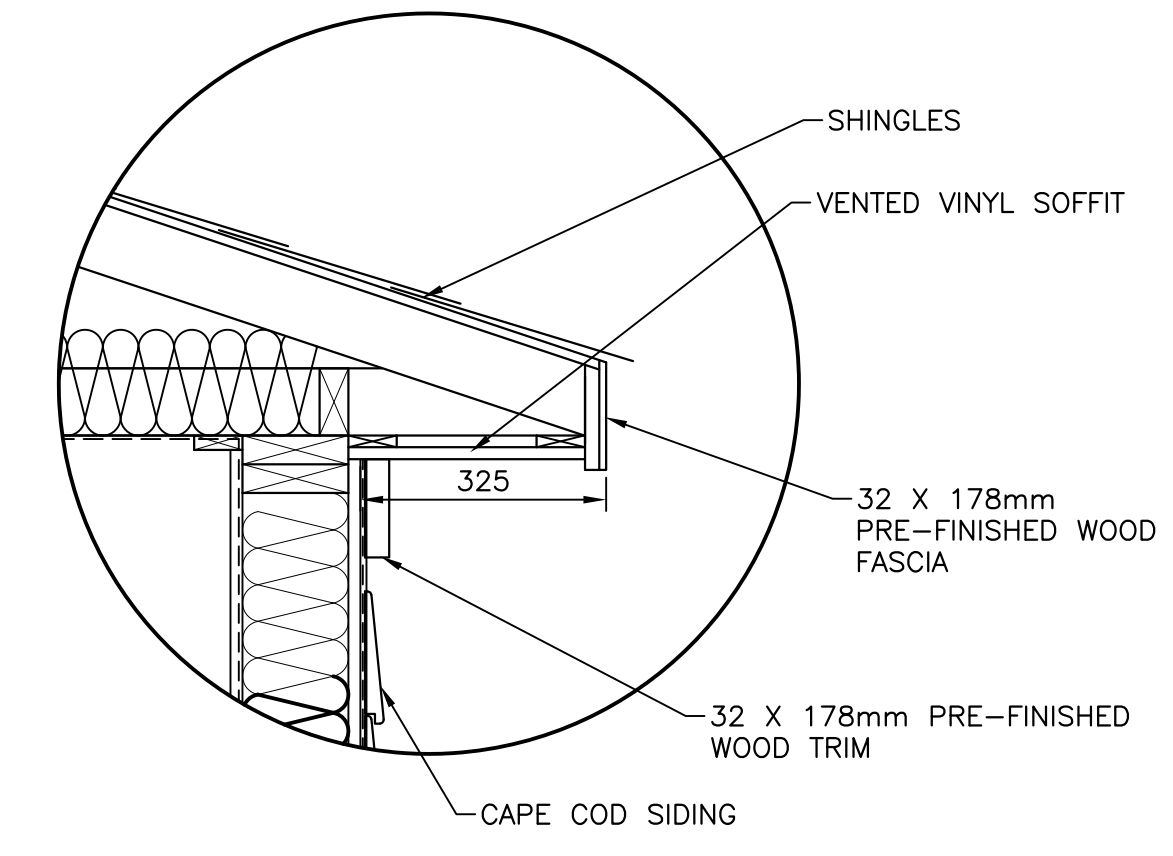
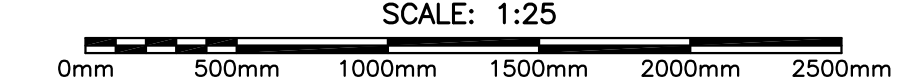


NEW DOOR AND HARDWARE SCHEDULE
 DOOR SIZE = 914 X 2032 X 45 (PAINTED WHITE)
 DOOR TYPE = INSULATED STEEL DOOR
 FRAME TYPE = 50mm PRESSED STEEL FRAME
 3 STAINLESS STEEL HINGES
 1 EXIT DEVICE 9300B-01-476-TV/SNB (630)
 1 DOOR CLOSER 8901DS-TB/SNB (689)
 1 SET WEATHER STRIPPING 1500N X SIZE REQUIRED (AN)
 1 WATER DRIP-HEAD-AW2 X SIZE REQUIRED (AN)
 1 WATER DRIP-BOTTOM-AW1 X SIZE REQUIRED (MF)
 1 THRESHOLD ATP5 X SIZE REQUIRED (ALUM.)
 1 DOOR LOCK CORBIN WITH EXTERIOR KEY

NOTE:
 1. IF ROCK IS ENCOUNTERED DURING EXCAVATION OF SHED FOUNDATION, REMOVE ROCK TO ACHIEVE FOUNDATION DETAILS AS SHOWN. DEPARTMENTAL REPRESENTATIVE MAY CONSIDER A THICKENED SLAB AT NO ADDITIONAL CONTRACT COST IF CONDITIONS WARRANT (IN THIS CASE DETAILS WILL BE PROVIDED BY THE DEPARTMENTAL REPRESENTATIVE).



ELECTRICAL SHED - SECTION



TYP. TRENCH DETAIL

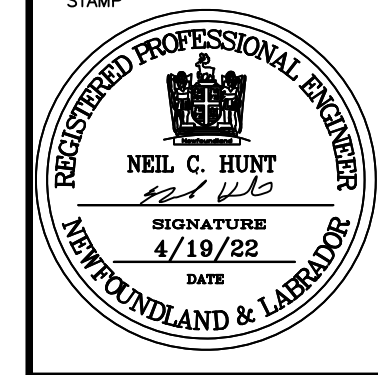


SMALL CRAFT HARBOURS



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A	ISSUED FOR TENDER	4/19/22
revisions		date
project		project

ELECTRICAL REPAIRS
 WHARF 401
 FOXTRAP, NL

ELECTRICAL SHED, POLE AND TRENCH DETAIL

designed N.H. concu
 date APRIL 19, 2022
 drawn P.H. dessine
 date APRIL 19, 2022
 approved
 approved

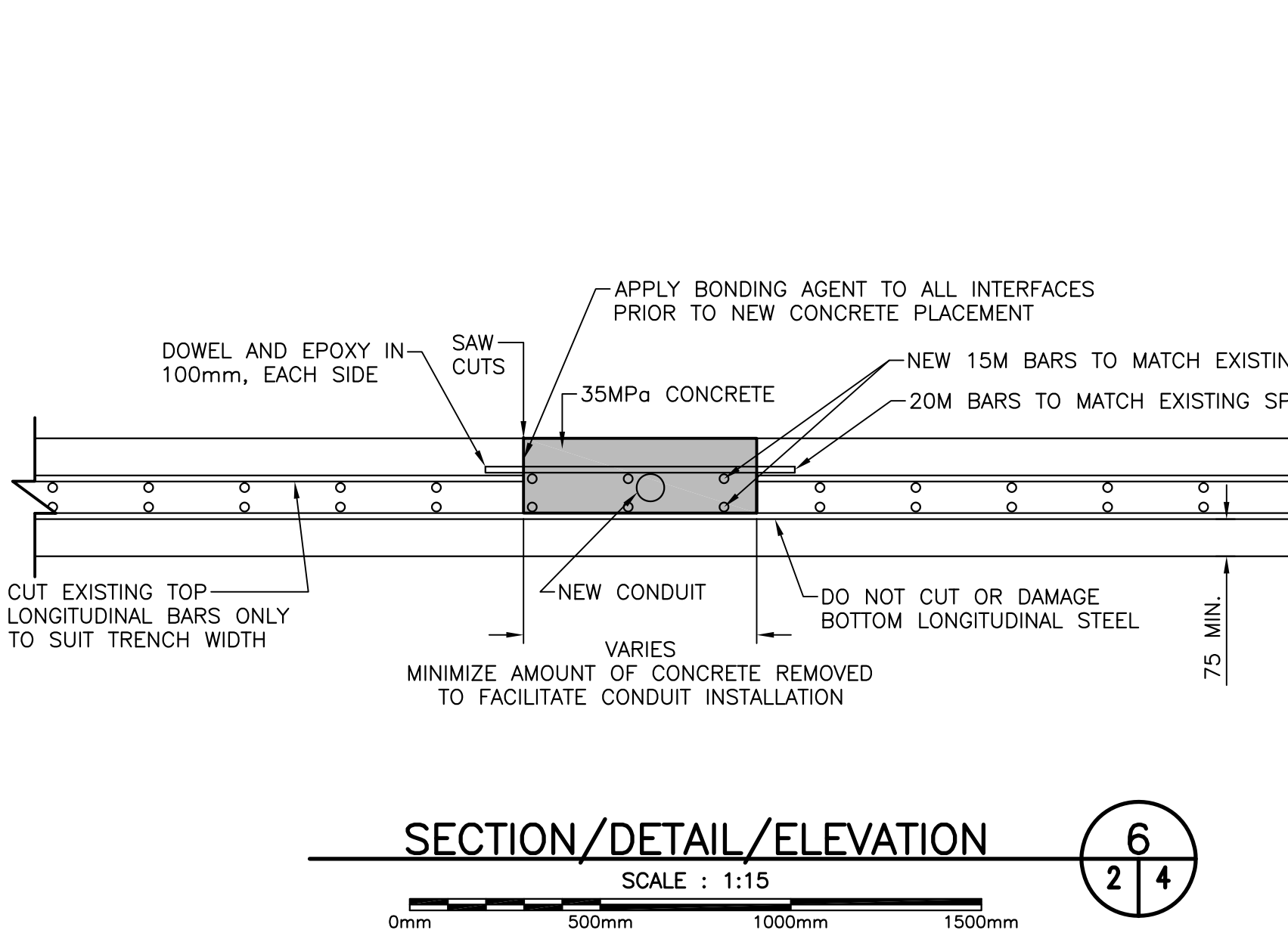
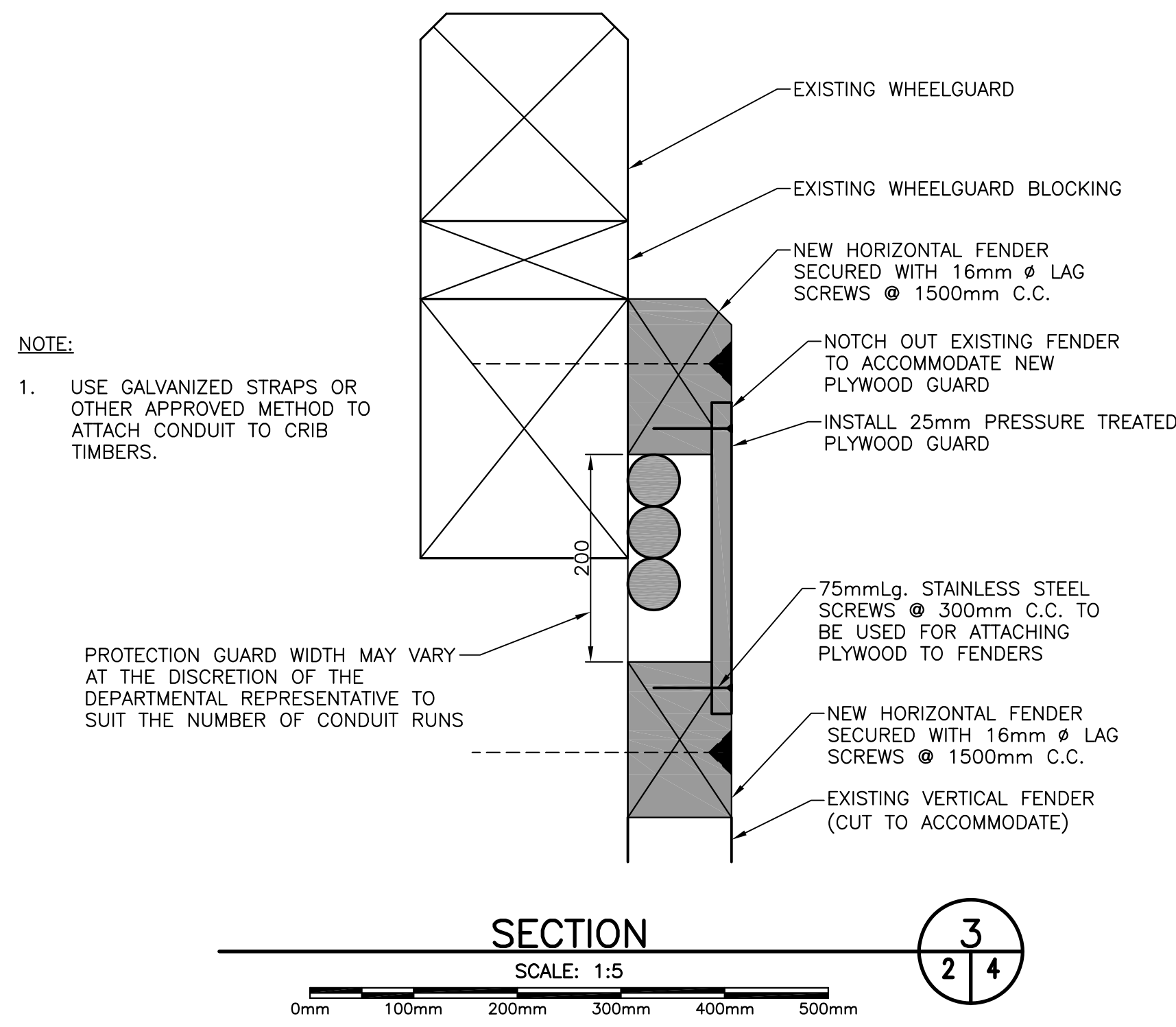
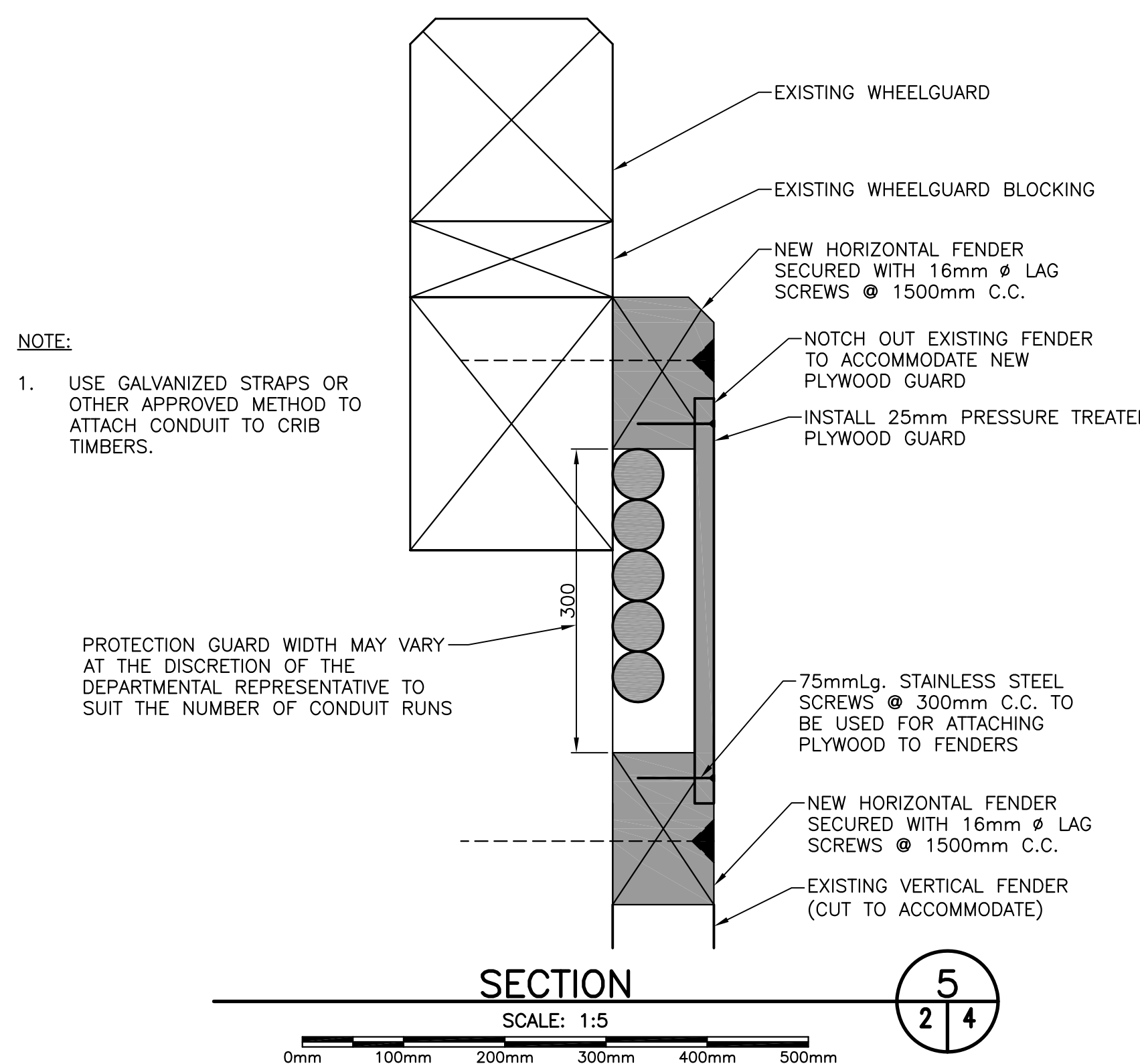
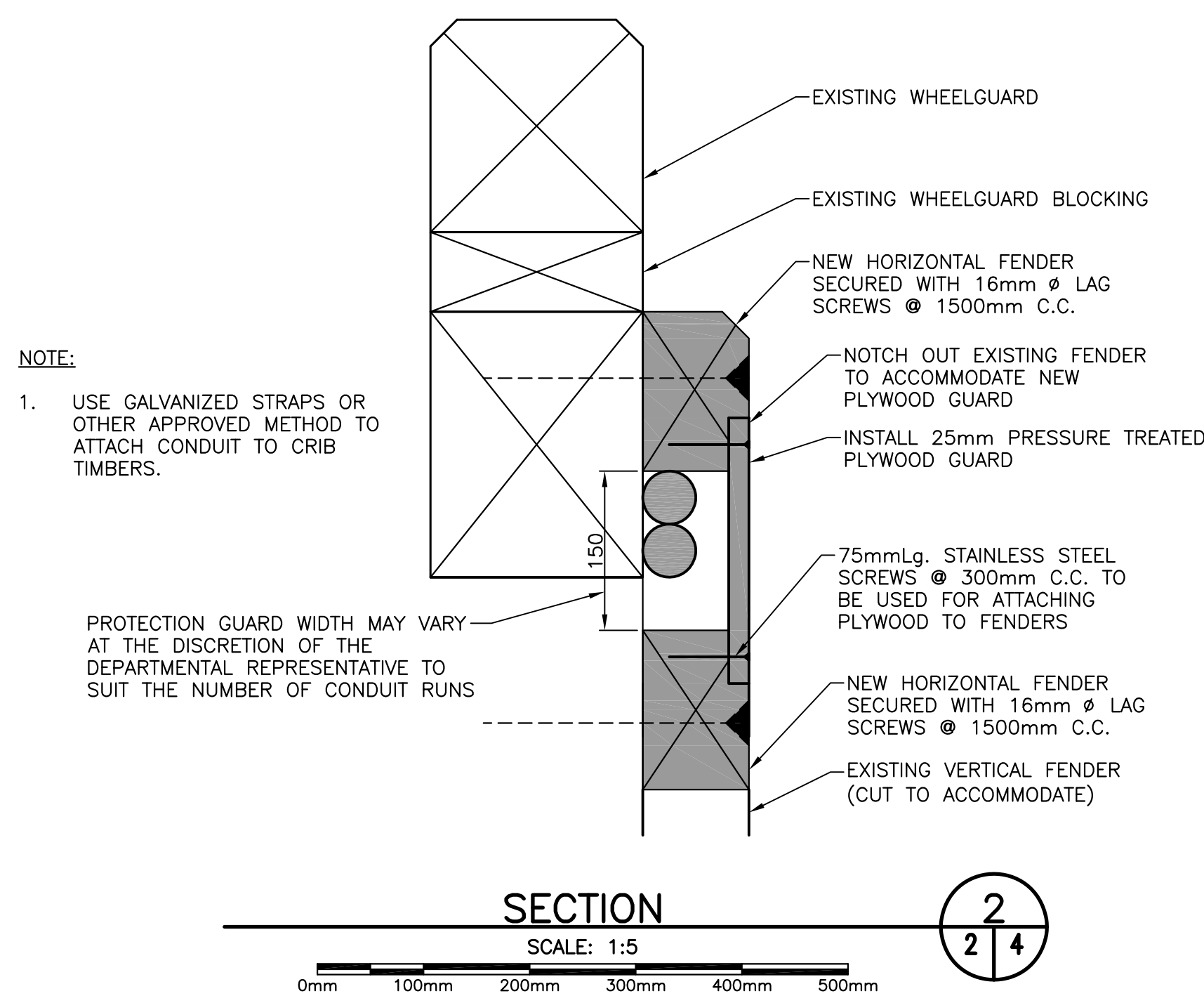
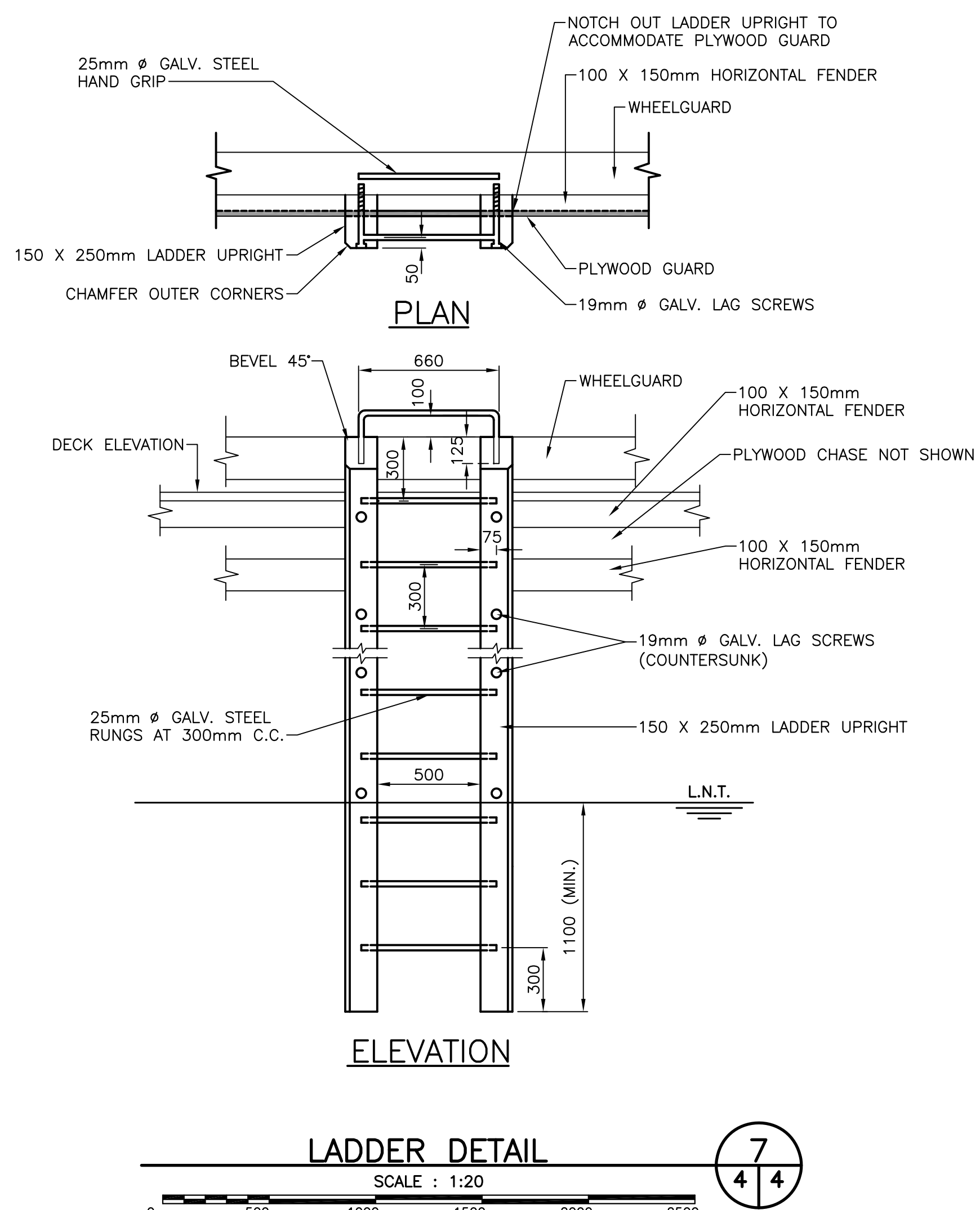
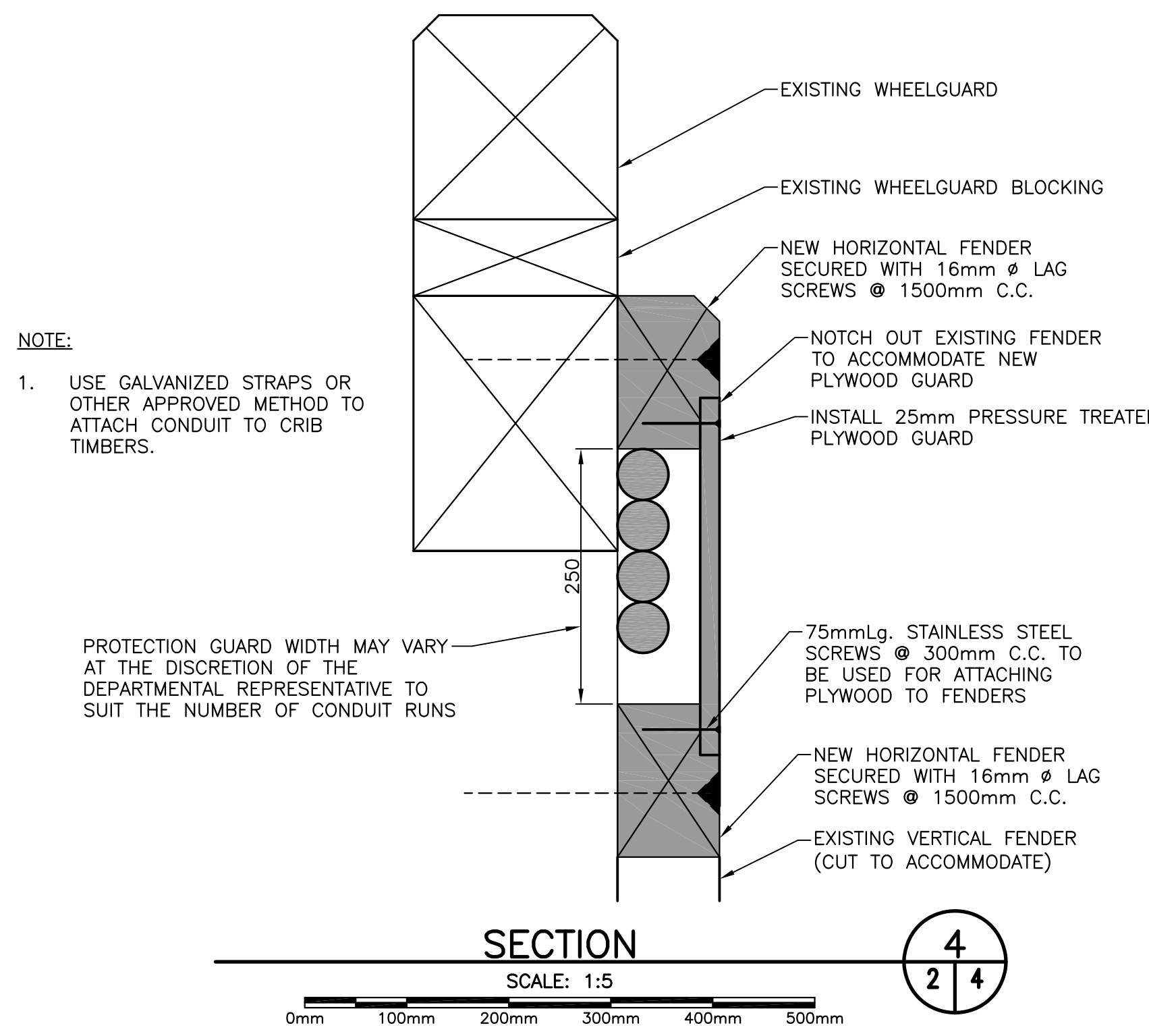
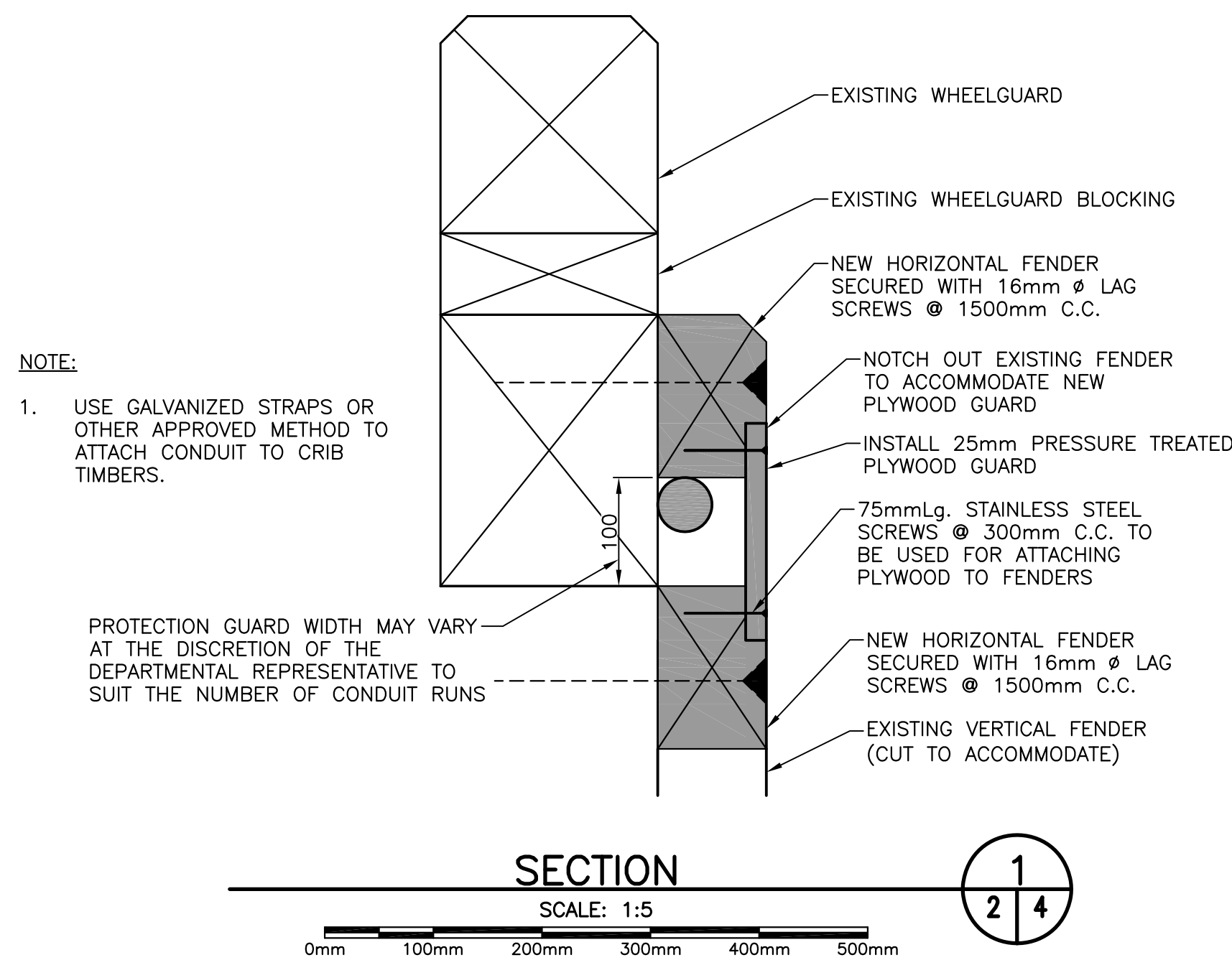
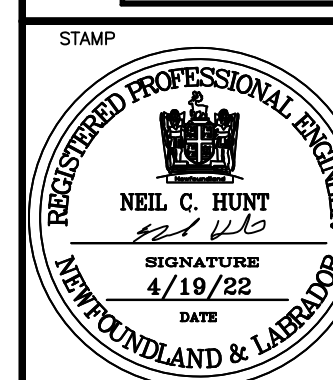
Tender Paul Connor Submission
 DFO Project Manager
 project number C2-00471 no. du projet
 drawing no. C3 OF 4 no. du dessin

SMALL CRAFT HARBOURS



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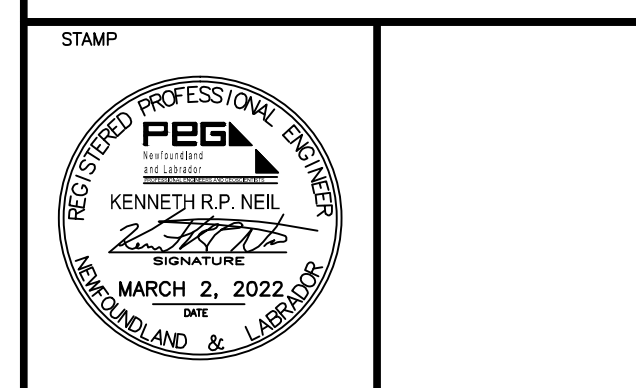
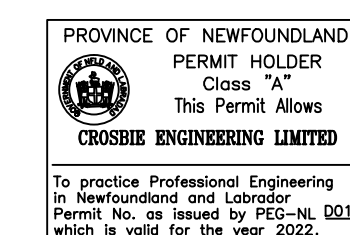


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ELECTRICAL REPAIRS WHARF 401		
FOXTRAP, NL		
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FENDER DETAILS TO ACCOMMODATE CONDUIT		
designed N.H.		conçu
date	APRIL 19, 2022	
drawn P.H.		dessiné
date	APRIL 19, 2022	
approved		approuvé
Tender	<i>Paul Curran</i>	Submission
DFO Project Manager		
project number	C2-00471	no. du projet
drawing no.	C4 OF 4	no. du dessin

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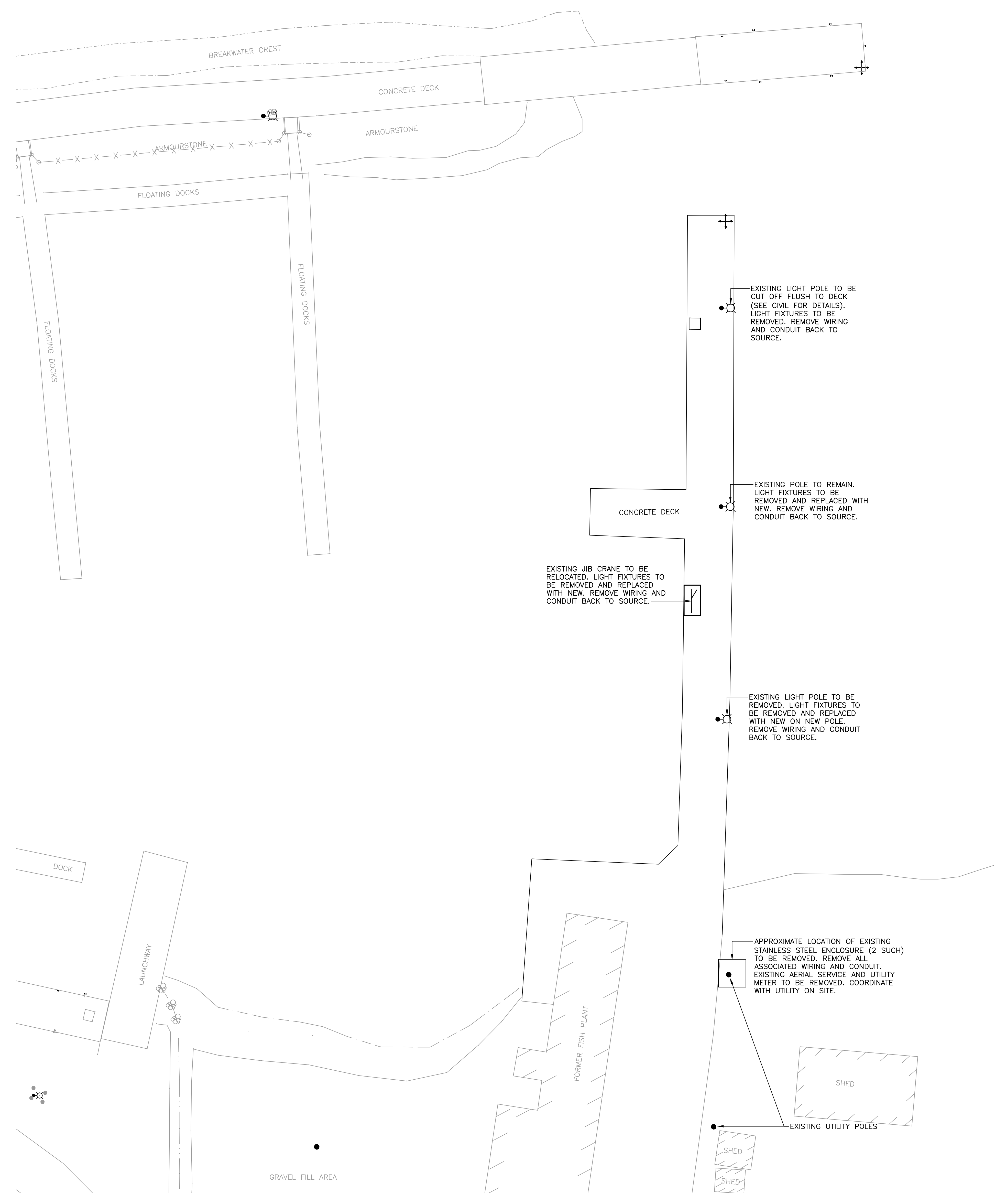


ELECTRICAL LEGEND

	EXISTING JIB CRANE TO BE RELOCATED
	EXISTING LIGHT POLE

- GENERAL NOTES:**
1. CONTRACTOR MUST VERIFY ALL DIMENSIONS AND CONDITIONS ON SITE BEFORE PROCEEDING WITH ANY PORTION OF THIS WORK. DO NOT SCALE FROM DRAWINGS. CONTRACTOR TO ASSESS WORK AREA IN ADVANCE WITH DEPARTMENTAL REPRESENTATIVE FOR COORDINATION OF RELATED DAILY WORK SCHEDULES, PARKING, BUILDING ACCESS, AND STORAGE OF EQUIPMENT.
 2. ALL WORK TO BE IN ACCORDANCE WITH THE LATEST REQUIREMENTS OF THE NATIONAL BUILDING CODE OF CANADA, LATEST EDITION; CANADIAN ELECTRICAL CODE, CURRENT EDITION; ANY OTHER AUTHORITIES HAVING JURISDICTION.
 3. WORK SHALL BE SCHEDULED DURING NORMAL WORKING HOURS. CONTRACTOR MAY WORK AFTER NORMAL WORKING HOURS AS COORDINATED BY DEPARTMENTAL REPRESENTATIVE.
 4. CONTRACTOR SHALL BE RESPONSIBLE FOR CLEAN UP AND DISPOSALS OF WORK AREA ON A DAILY BASIS. AFTER EACH WORKING SHIFT WORK AREA TO BE CLEANED AND FREE OF DEBRIS.
 5. ANY ELECTRICAL SYSTEM SHUTDOWN TO BE SCHEDULED AND COORDINATED WITH DEPARTMENTAL REPRESENTATIVE. SUFFICIENT NOTICE SHALL BE GIVEN. 5 WORKING DAYS NOTICE IS REQUIRED FOR ANY DISRUPTION.
 6. WORK TO BE CARRIED OUT IN CONSIDERATION OF CLIENT COMFORT AND OPERATIONS.
 7. ALL WIRING TO BE INSTALLED IN CONDUIT AS INDICATED.
 8. ACCESS TO FACILITY TO BE COORDINATED WITH DEPARTMENTAL REPRESENTATIVE.
 9. PROVIDE TYPED REVISED PANELBOARD DIRECTORIES FOR ALL PANELBOARDS.
 10. LABEL ALL EQUIPMENT WITH LAMACOID TAGS AS PER SPECIFICATION.
 11. ALL EXISTING ELECTRICAL EQUIPMENT REMOVED TO BE TURNED OVER TO DEPARTMENTAL REPRESENTATIVE. IF DEPARTMENTAL REPRESENTATIVE REFUSES THEN CONTRACTOR TO REMOVE FROM SITE AND DISPOSE.
 12. CONTRACTOR TO REMOVE ALL OBSOLETE WIRING AND CONDUIT RUNNING OUT TO WHARF WITH EXCEPTION OF CONDUITS IN THE DECK WHICH ARE TO REMAIN FOR REUSE IN NEW LAYOUT. COORDINATE WITH CIVIL AND DEPARTMENTAL REPRESENTATIVE ON SITE.

EXISTING SITE PLAN
SCALE: 1:250



0	ISSUED FOR TENDER	03/02/22
A	ISSUED FOR REVIEW	01/28/22
revisions		date
project		projct

**ELECTRICAL REPAIRS
WHARF 401
FOXTRAP, NL**

EXISTING SITE PLAN

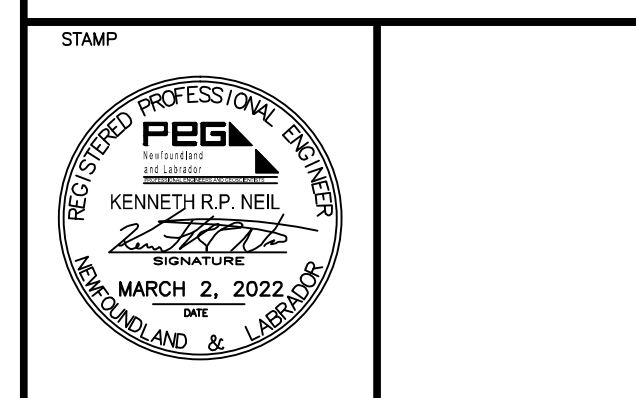
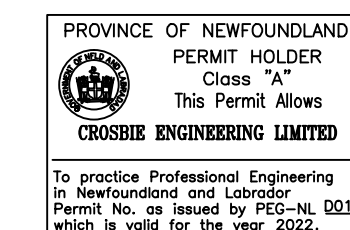
designed K.N.	concu
date MARCH 2022	
drawn R.J.	desine
date MARCH 2022	
approved	approve

Tender <i>Paul Curran</i>	Submission
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project number C2-00471	no. du projct
drawing no. E1 OF 5	no. du dessin

SMALL CRAFT HARBOURS



NOTES:
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 2. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED.



0	ISSUED FOR TENDER	03/02/22
A	ISSUED FOR REVIEW	01/28/22
revisions		date

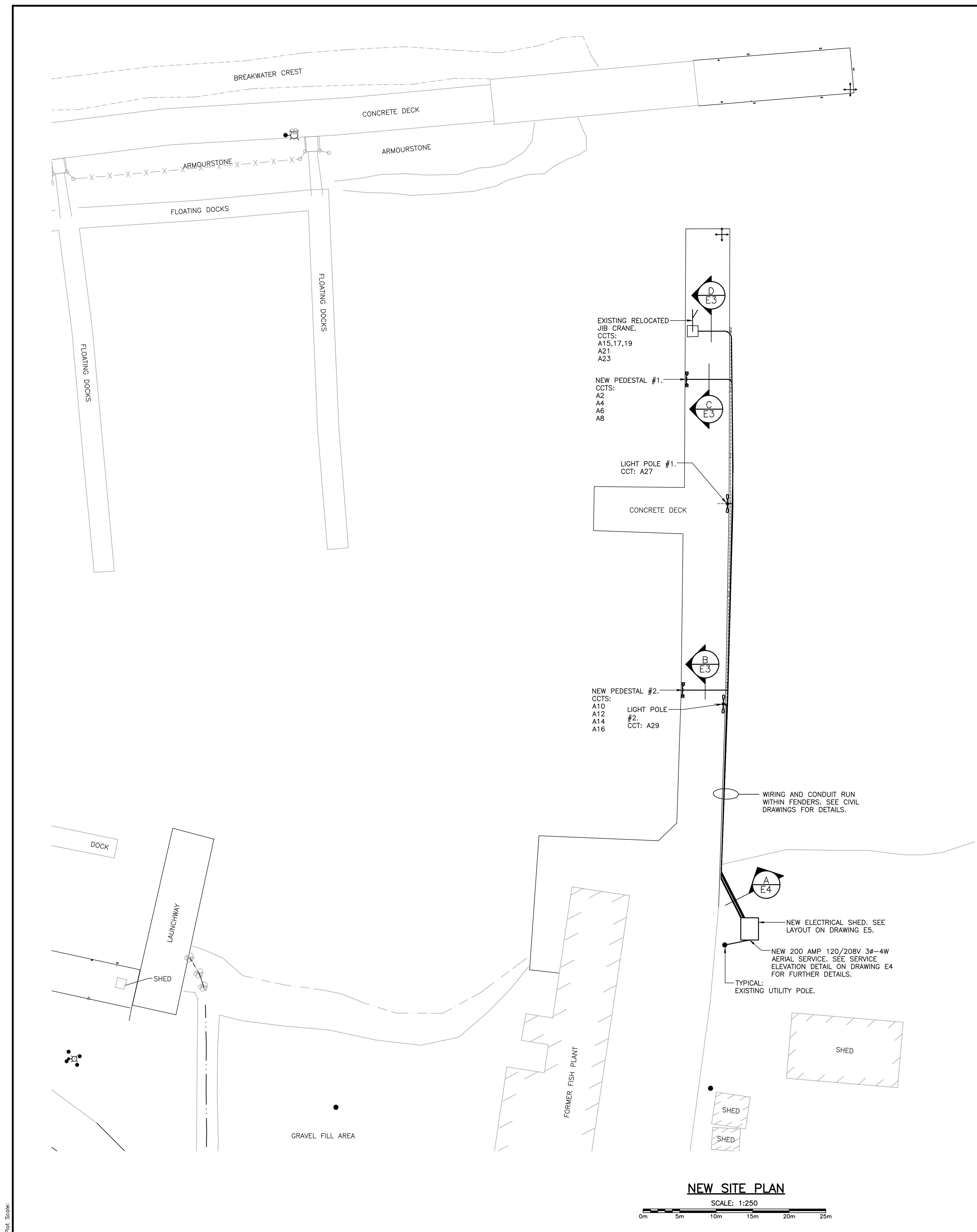
project: **ELECTRICAL REPAIRS WHARF 401**
FOXTRAP, NL

NEW SITE PLAN

designed K.N.	concu
date MARCH 2022	
drawn R.J.	dessine
date MARCH 2022	
approved	approuvé

Tender: *Paul Curran* Submission
 DFO Project Manager
 project number: **C2-00471** no. du projet

drawing no. **E2 OF 5** no. du dessin



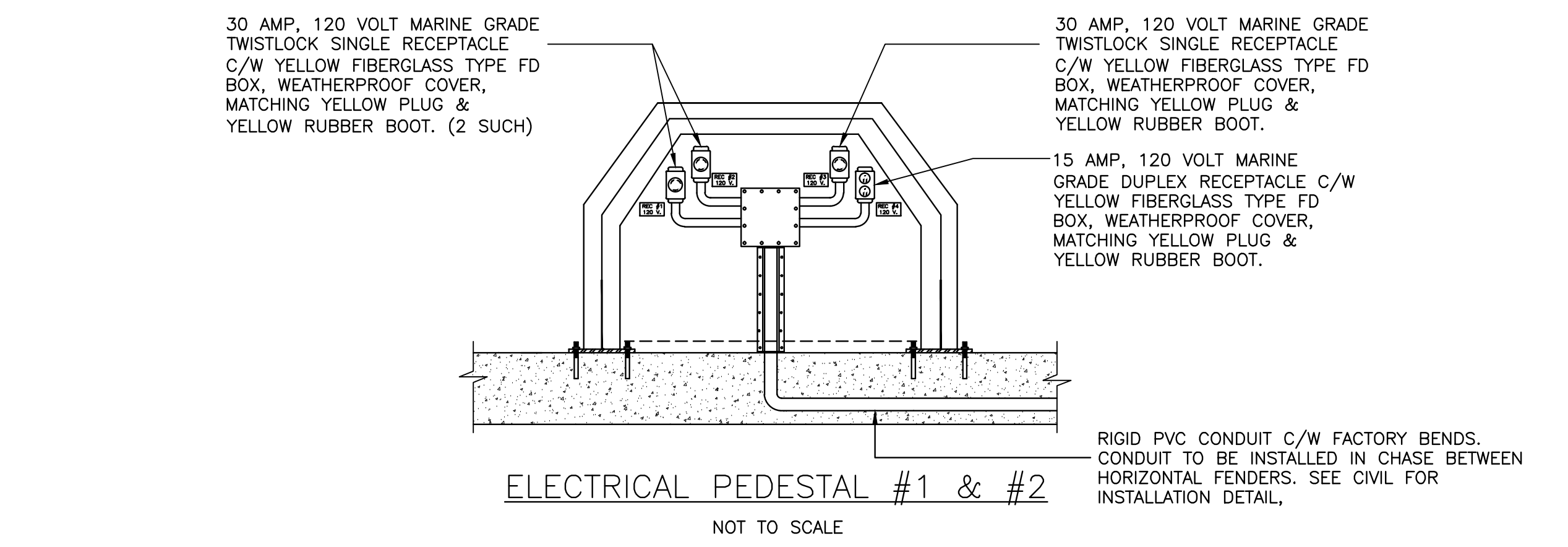
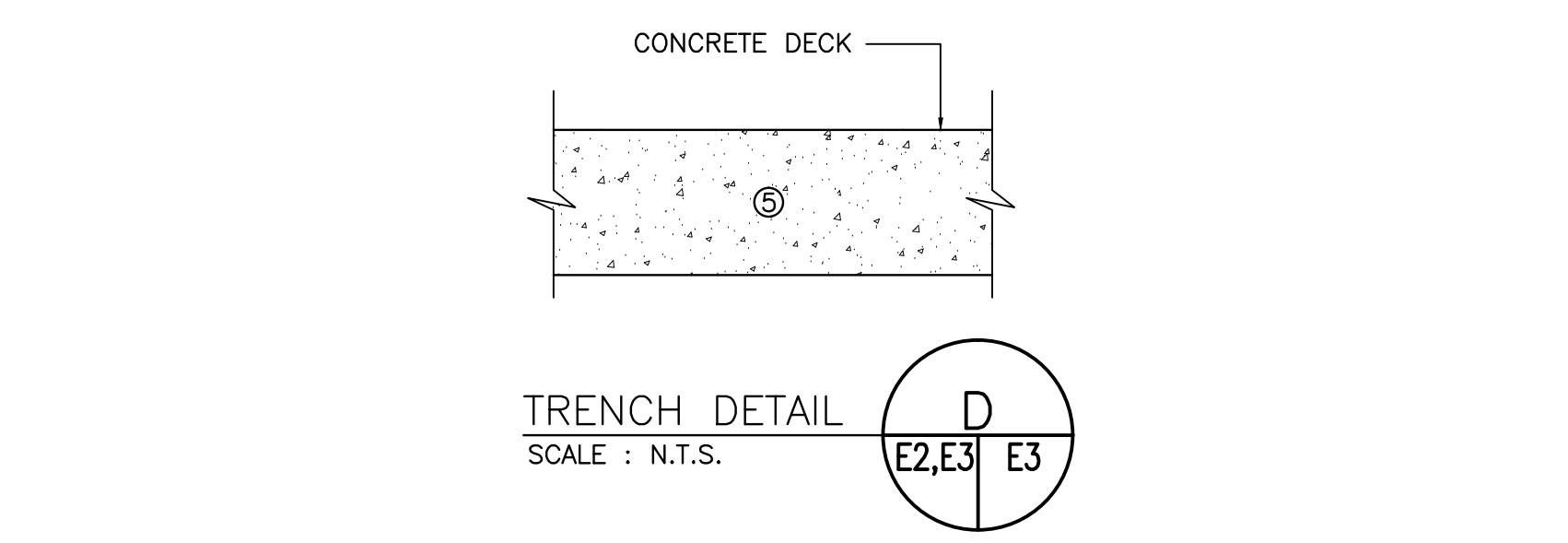
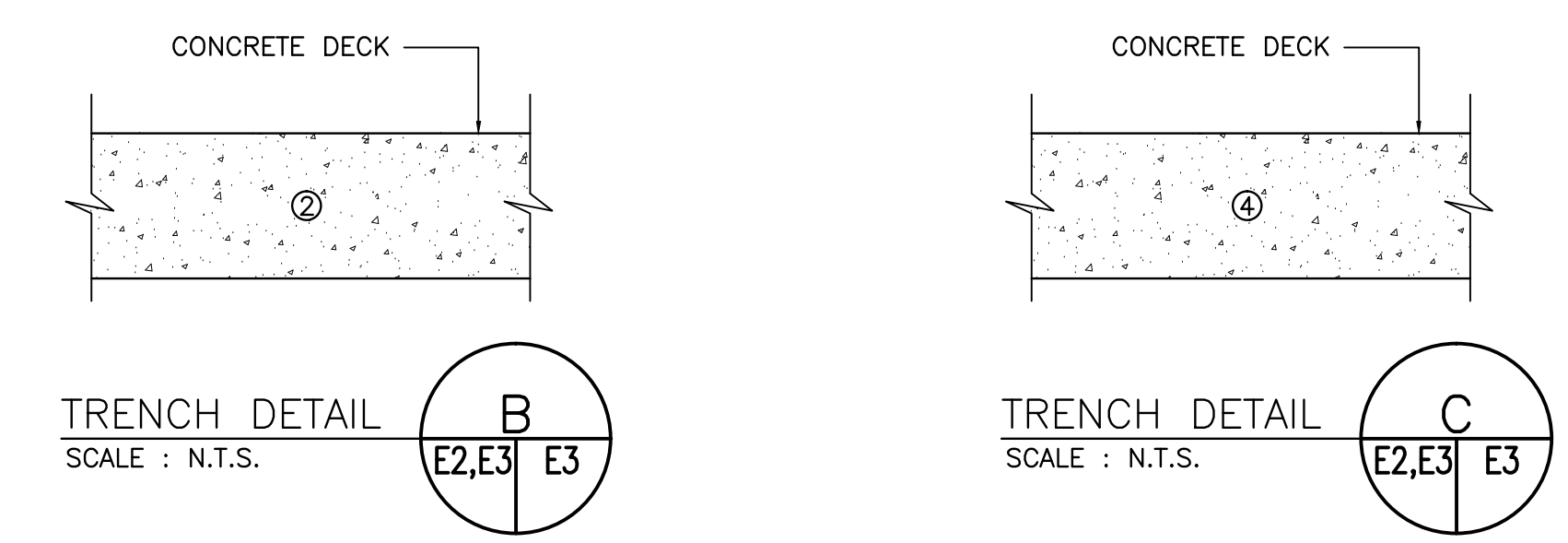
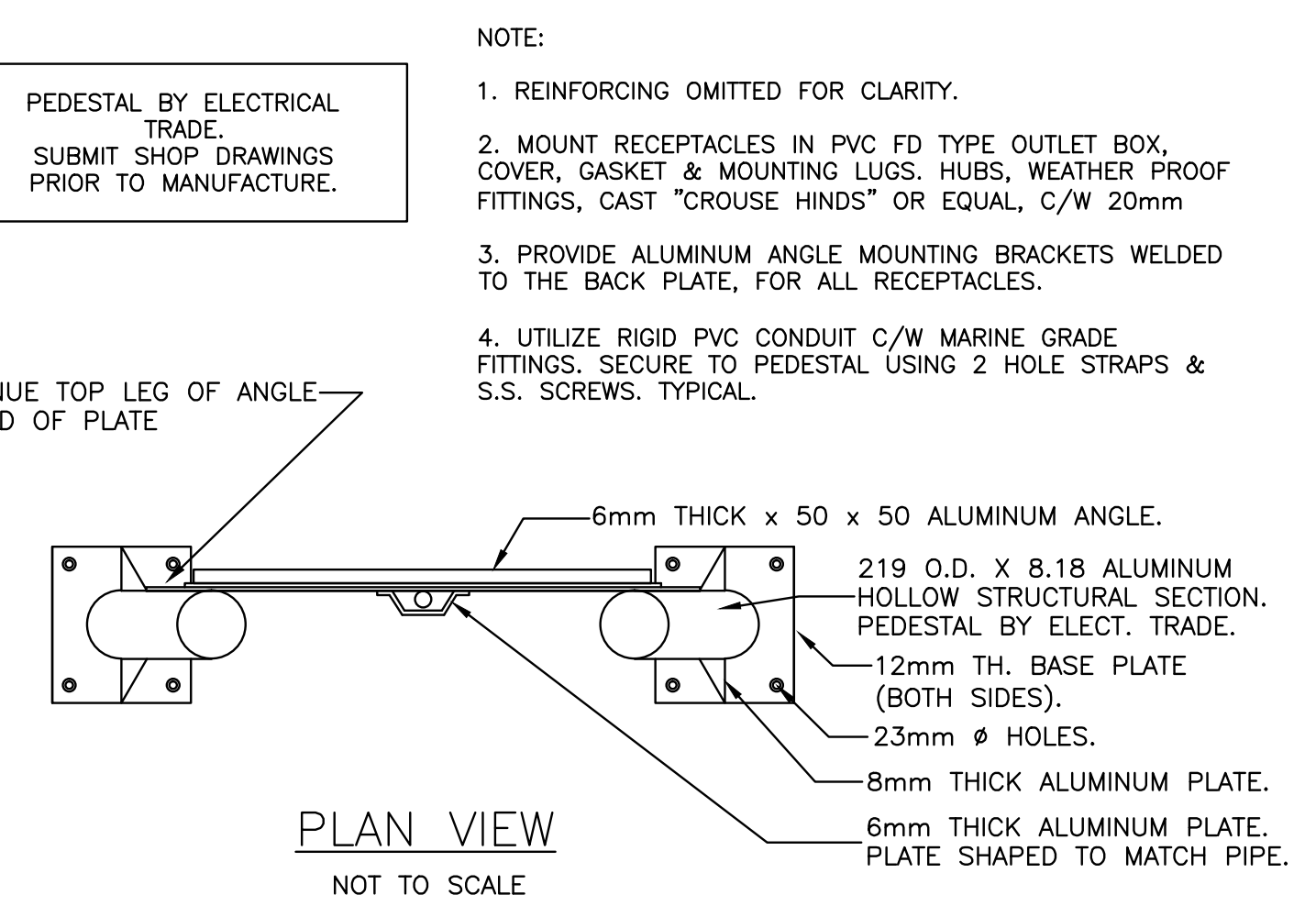
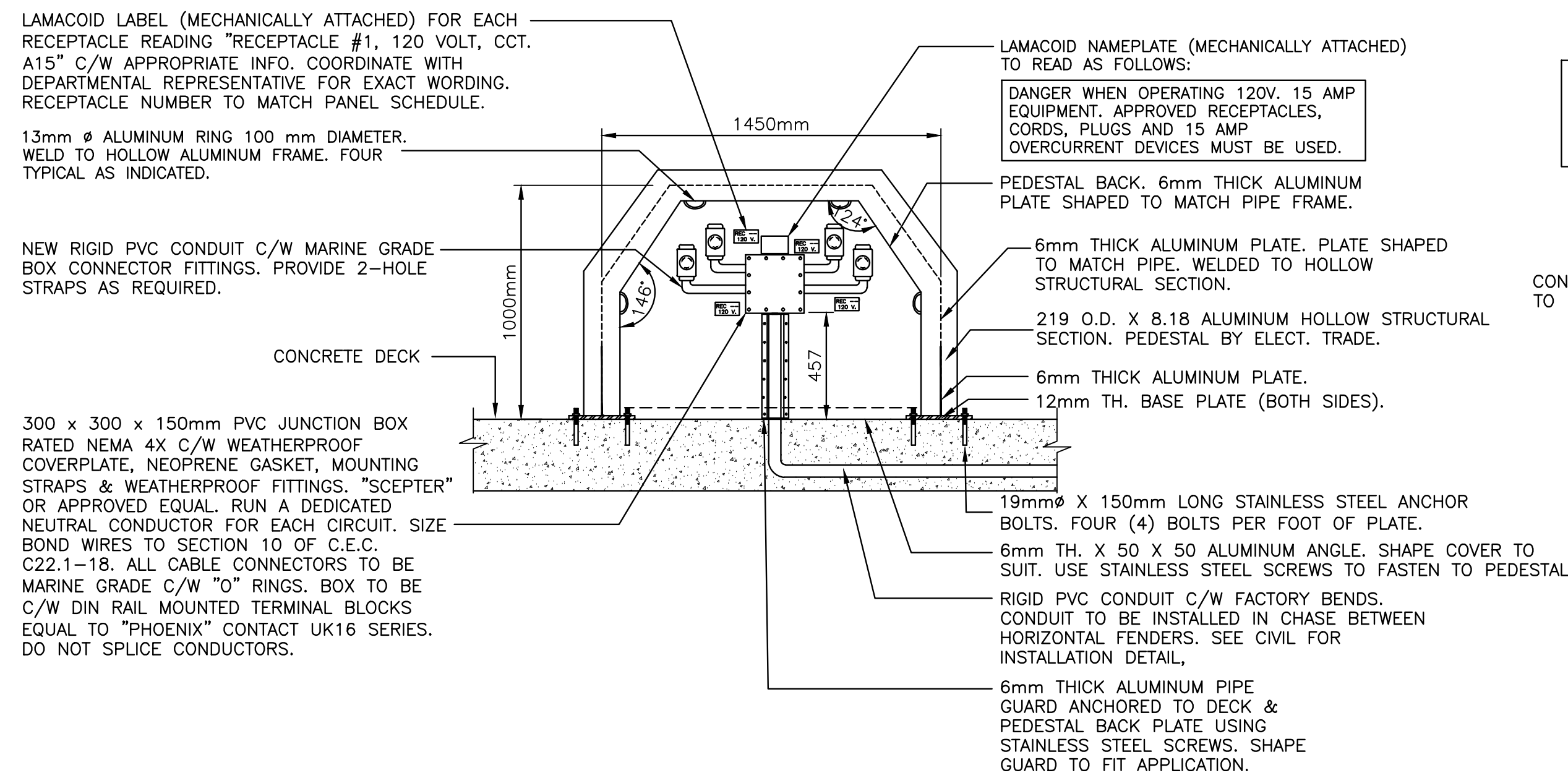
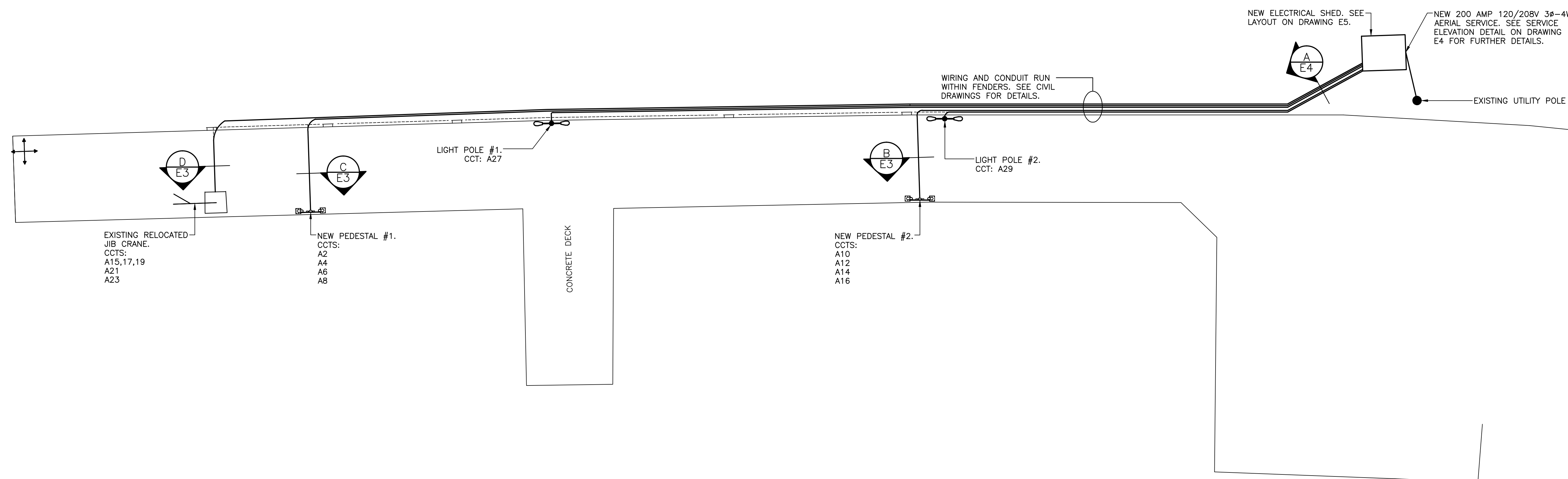
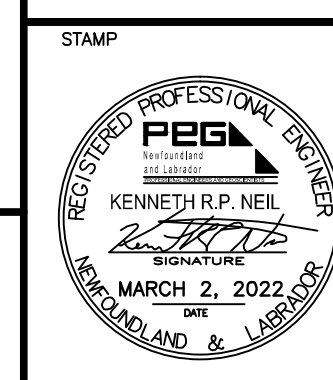
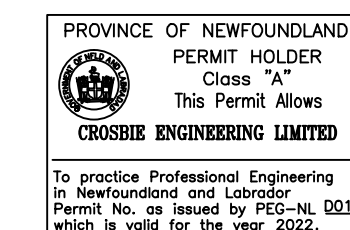
LEGEND

- NEW ELECTRICAL PEDESTAL. SEE DETAILS ON DRAWING E3.
- LIGHT POLE. SEE DETAILS ON DRAWING E4.
- EXISTING JIB CRANE. SEE DETAIL ON DRAWING E4.

SMALL CRAFT HARBOURS



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- NOTE:
1. REINFORCING OMITTED FOR CLARITY.
 2. MOUNT RECEPTACLES IN PVC FD TYPE OUTLET BOX, COVER, GASKET & MOUNTING LUGS. HUBS, WEATHER PROOF FITTINGS, CAST "CROUSE HINDS" OR EQUAL, C/W 20mm
 3. PROVIDE ALUMINUM ANGLE MOUNTING BRACKETS WELDED TO THE BACK PLATE, FOR ALL RECEPTACLES.
 4. UTILIZE RIGID PVC CONDUIT C/W MARINE GRADE FITTINGS. SECURE TO PEDESTAL USING 2 HOLE STRAPS & S.S. SCREWS. TYPICAL.

- NOTES:
1. CONDUIT LOCATIONS ARE APPROXIMATE ONLY. ACTUAL CONDUIT LOCATIONS TO BE COORDINATED ON SITE.
 2. STEEL REINFORCEMENT OMITTED FOR CLARITY. SEE CIVIL DRAWINGS FOR DETAILS.

SYMBOL	WIRE AND CONDUIT SIZE
①	2 #10 RW90 + 1 #12 TW GROUND IN 27mm RIGID PVC CONDUIT (LIGHT POLE #2)
②	6 #6 RW90 + 2 #8 RW90 + 1 #6 TW GROUND IN 53mm RIGID PVC CONDUIT (NEW PEDESTAL #2)
③	2 #10 RW90 + 1 #12 TW GROUND IN 27mm RIGID PVC CONDUIT (LIGHT POLE #1)
④	6 #3 RW90 + 2 #6 RW90 + 1 #3 TW GROUND IN 53mm RIGID PVC CONDUIT (NEW PEDESTAL #1)
⑤	4 #8 RW90 + 6 #12 RW90 + 1 #10 TW GROUND (JIB CRANE & CONTROLS) + 2 #10 RW90 + 1 #12 TW GROUND (JIB CRANE LIGHTING) + 2 #6 RW90 + 1 #8 TW GROUND (JIB CRANE RECEPTACLE) IN 53mm RIGID PVC CONDUIT

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ELECTRICAL REPAIRS
 WHARF 401
 FOXTRAP, NL

NEW WHARF PLAN AND ELECTRICAL DETAILS

designed K.N.	concu
date MARCH 2022	
drawn R.J.	designe
date MARCH 2022	
approved	approve
Tender Paul Curran	Submitter
DFO Project Manager	
project number C2-00471	no. du projet
drawing no. E3 OF 5	no. du dessin

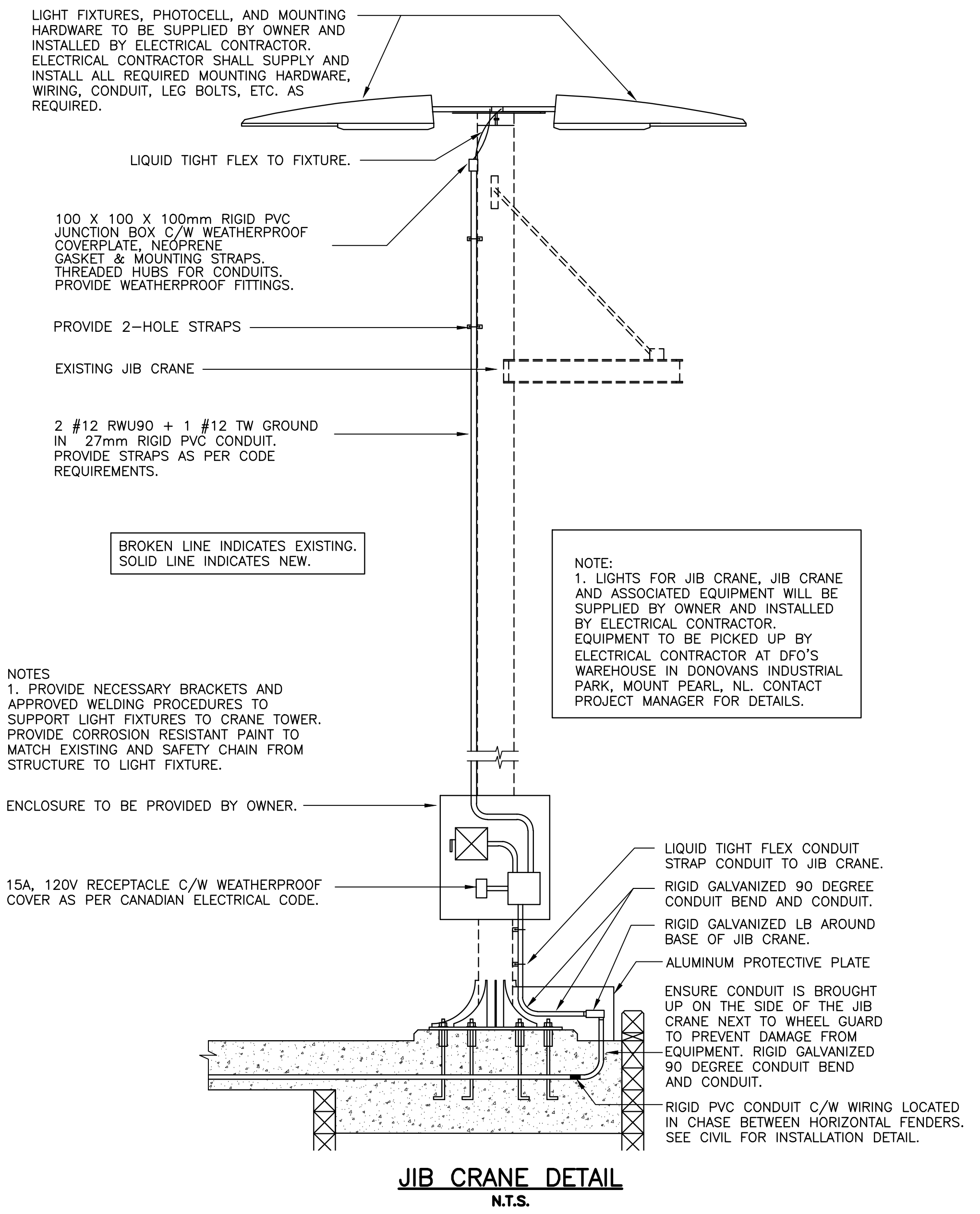
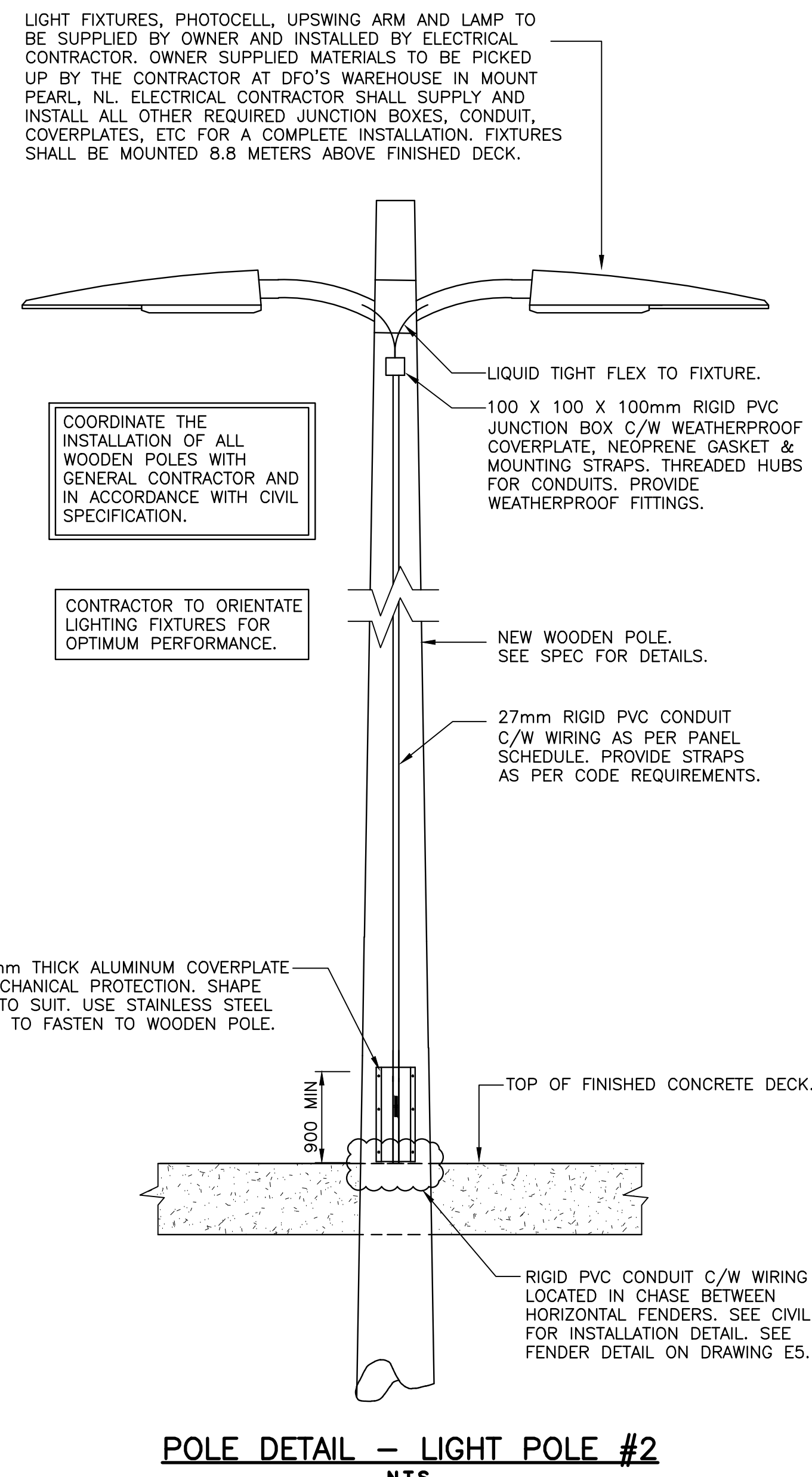
NEW COMBINATION PANEL

VOLTS	120/208	PANEL NAME	"A"	MAINS RATED	200 AMP	C/W 200 AMP 3 POLE SERVICE ENTRANCE RATED MAIN BREAKER
PHASE	3	LOCATION	ELECTRICAL SHED	MOUNTING SURFACE		
WIRE	4	FED FROM	UTILITY	CIRCUITS	42	

DESIGNATION	WATTAGE			U/G WIRE	MIRE	BKR	CCT	A	B	C	CCT	BKR	WIRE	U/G WATTAGE			DESIGNATION	
	φ A	φ B	φ C											φ A	φ B	φ C		
LIGHTING (SHED)	100					12	15	1				2	30	10	3	2880	PEDESTAL #1 (RECEPT. #1)	GF30
EXTERIOR LIGHTING (SHED)	40					12	15	3				4	30	10	3	2880	PEDESTAL #1 (RECEPT. #2)	GF30
EXTERIOR RECEPTACLE (SHED)		120				12	15	5				6	30	10	3	2880	PEDESTAL #1 (RECEPT. #3)	GF30
SPARE						12	15	7				8	15	12	6	1440	PEDESTAL #1 (RECEPT. #4)	GF
RECEPTACLES (SHED)	360					12	15	9				10	30	10	6	2880	PEDESTAL #2 (RECEPT. #1)	GF30
HEATER	500	500				12	15	11				12	30	10	6	2880	PEDESTAL #2 (RECEPT. #2)	GF30
JIB CRANE	933	933	8	8		20	15	13				14	30	10	6	2880	PEDESTAL #2 (RECEPT. #3)	GF30
JIB CRANE - LIGHTING	933					20	15	17				16	15	12	8	1440	PEDESTAL #2 (RECEPT. #4)	GF
JIB CRANE - RECEPTACLE	300					10	10	15	21			18					SPARE	GF30
SPARE	120					6	6	15	23			20					SPARE	GF30
SPARE								15	25			22	30				SPARE	GF30
LIGHT POLE #1	300					10	10	15	27			24	30				SPARE	GF30
LIGHT POLE #2	300					10	10	15	29			26	30				SPARE	GF
SPARE								15	31			28	15				SPARE	GF30
SPARE								15	33			30	30				SPARE	GF30
SPARE								15	35			32	30				SPARE	GF30
SPARE								15	37			34	30				SPARE	GF30
SPARE								15	39			36	15				SPARE	GF
SPARE								15	41			38	20				SPARE	GF
SPARE								15	43			40	20				SPARE	GF
SPARE								15	45			42	20				SPARE	GF

TOTAL DEMAND 28.72 KW 80 AMP

GF - INDICATES GFCI CLASS A TYPE CIRCUIT BREAKER.
GF30 - INDICATES GFCI CIRCUIT BREAKER WITH GROUND FAULT SETTING AT 30mA.
ST - INDICATES GFCI CIRCUIT BREAKER WITH GROUND FAULT SETTING AT 30mA.
ALSO ACCEPTABLE: SHUNT TRIP CIRCUIT BREAKER AND CONNECTED TO A 30mA GROUND FAULT PROTECTION RELAY (EATON D64RPB100 OR APPROVED EQUAL, C/W ENCLOSURE).



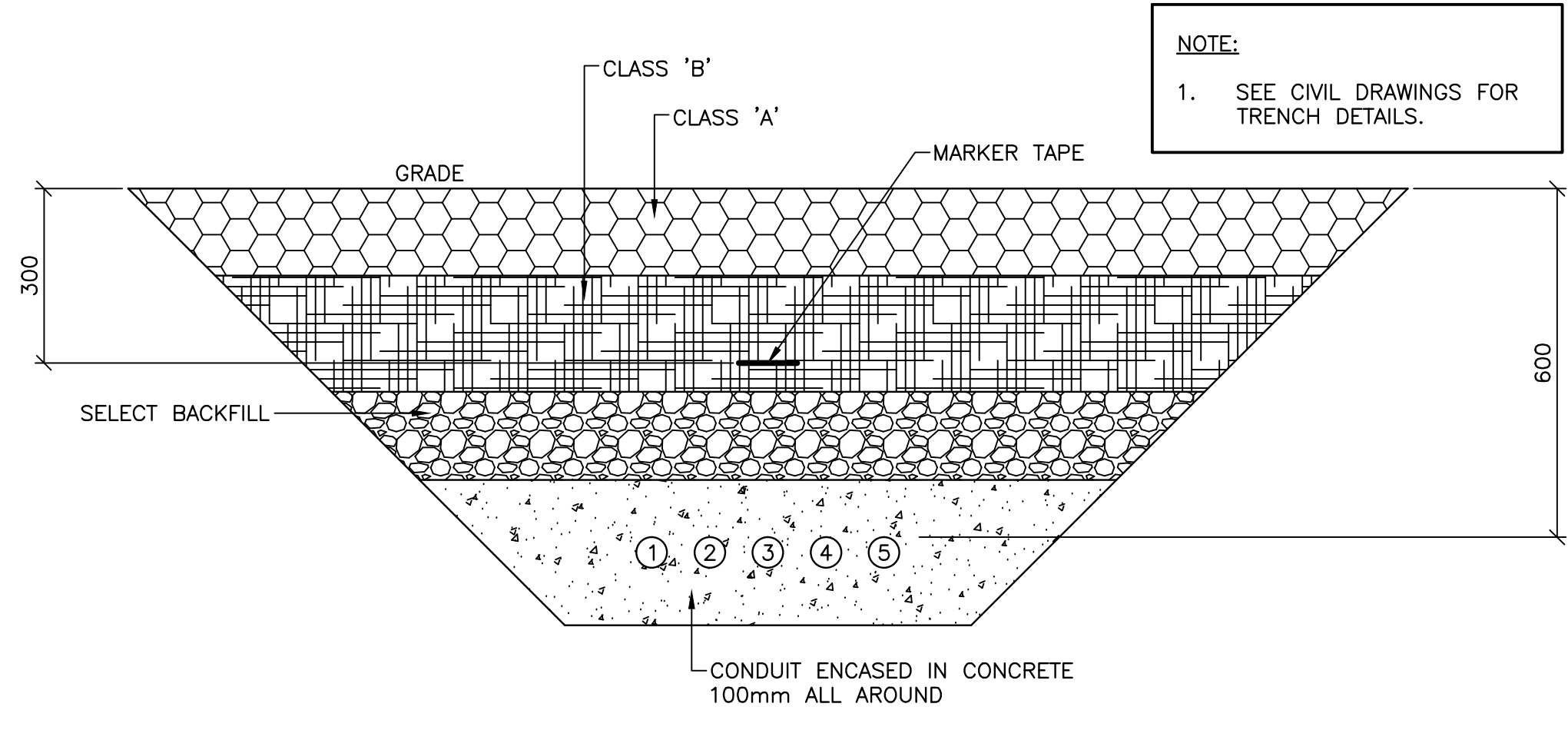
Provinces and Territories of Canada

SMALL CRAFT HARBOURS

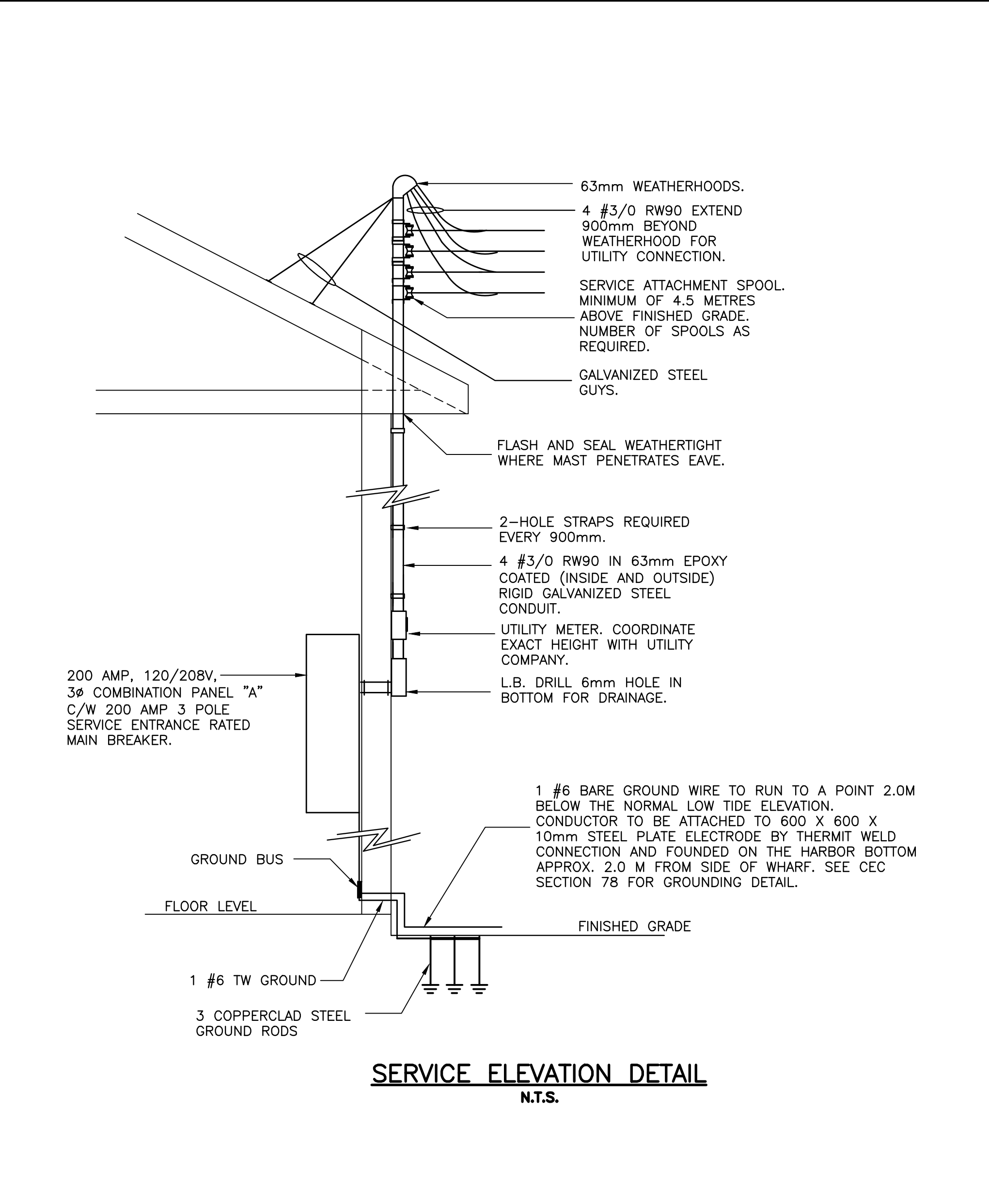
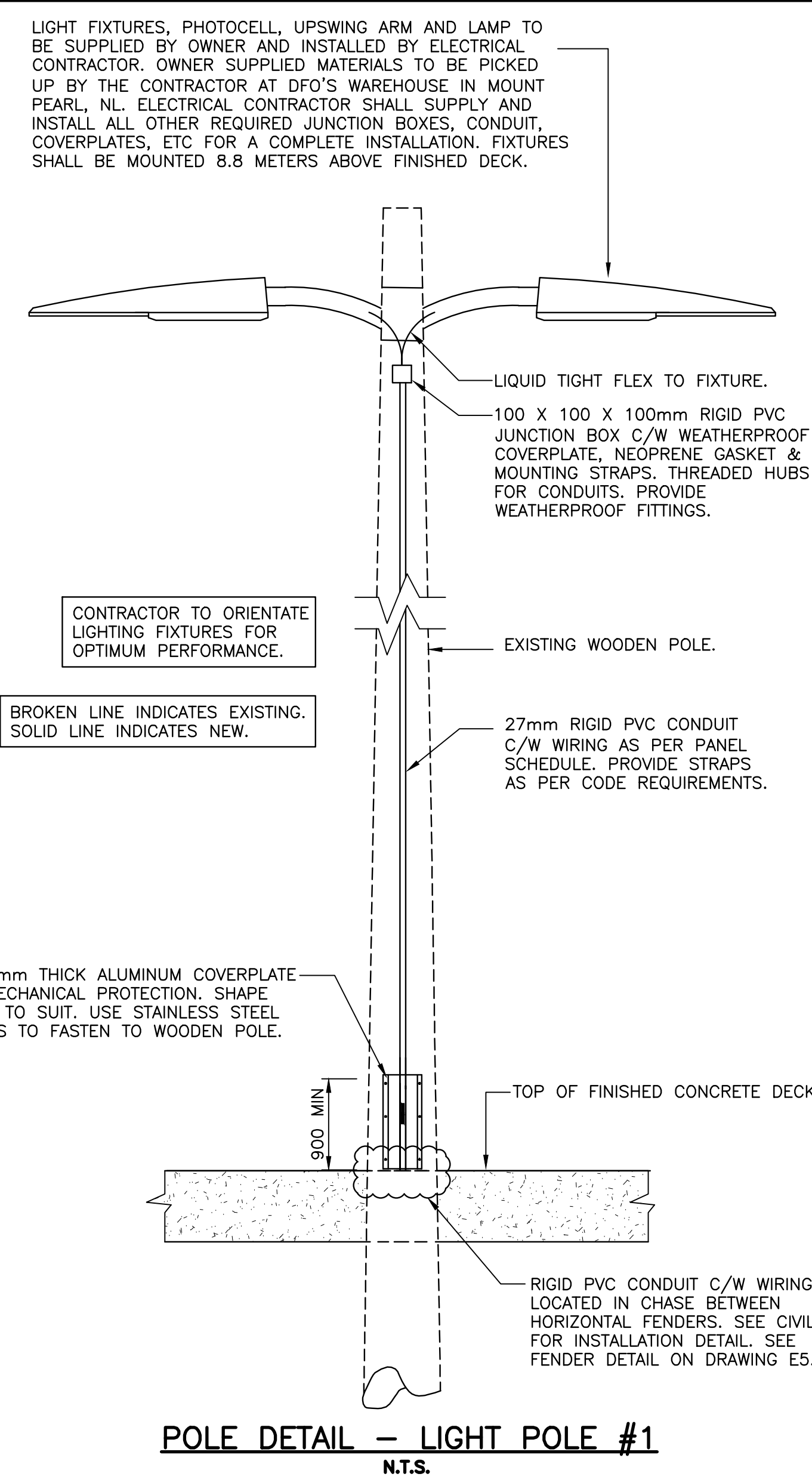
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PROVINCE OF NEWFOUNDLAND
PERMIT HOLDER
"Class A"
This Permit Allows
CROSBIE ENGINEERING LIMITED
To practice Professional Engineering in Newfoundland and Labrador
Permit No. as issued by PEG-NS 00123
which is valid for the year 2022.

STAMP
REGISTERED PROFESSIONAL ENGINEER
KENNETH P. NEIL
P.Eng. (Electrical)
MARCH 2, 2022
NEWFOUNDLAND & LABRADOR



SYMBOL	WIRE AND CONDUIT SIZE
①	2 #10 RW90 + 1 #12 TW GROUND IN 27mm RIGID PVC CONDUIT (LIGHT POLE #2)
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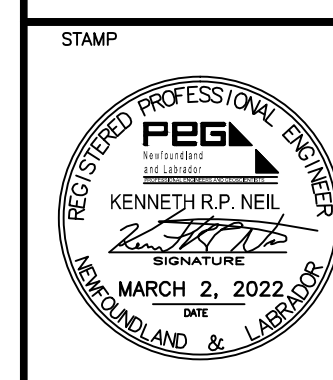
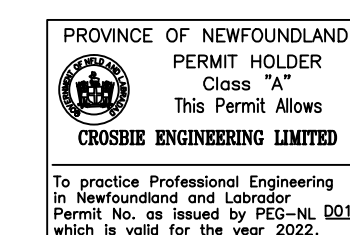


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A	ISSUED FOR REVIEW	01/28/22
revisions		date
project		project
ELECTRICAL REPAIRS WHARF 401		
FOXTRAP, NL		
drawing		design
ELECTRICAL DETAILS		
designed	K.N.	concu
date	MARCH 2022	
drawn	R.J.	desine
date	MARCH 2022	
approved		approve
Tender	Paul Curran	Submission
DFO Project Manager		
project number	C2-00471	no. du projet
drawing no.	E4 OF 5	no. du dessin

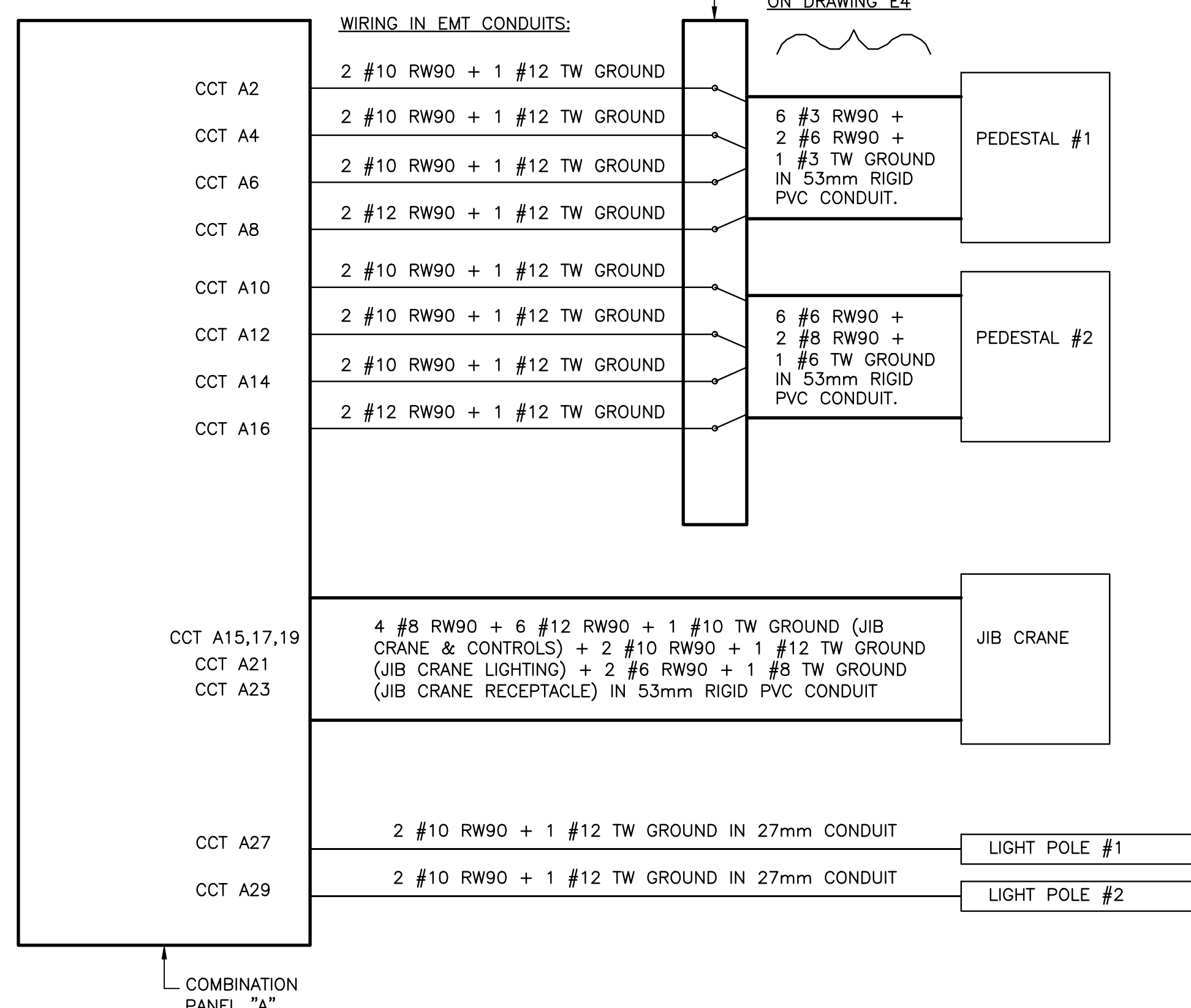
SMALL CRAFT HARBOURS



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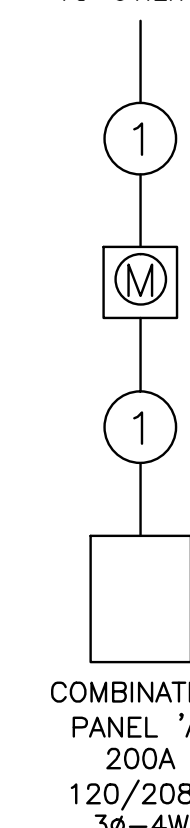
TERMINATING ENCLOSURE WITHIN ELECTRICAL ENCLOSURE. BOX TO BE C/W DIN RAIL MOUNTED TERMINAL BLOCKS EQUAL TO "PHOENIX" CONTACT UK16 SERIES. DO NOT SPLICE CONDUCTORS.



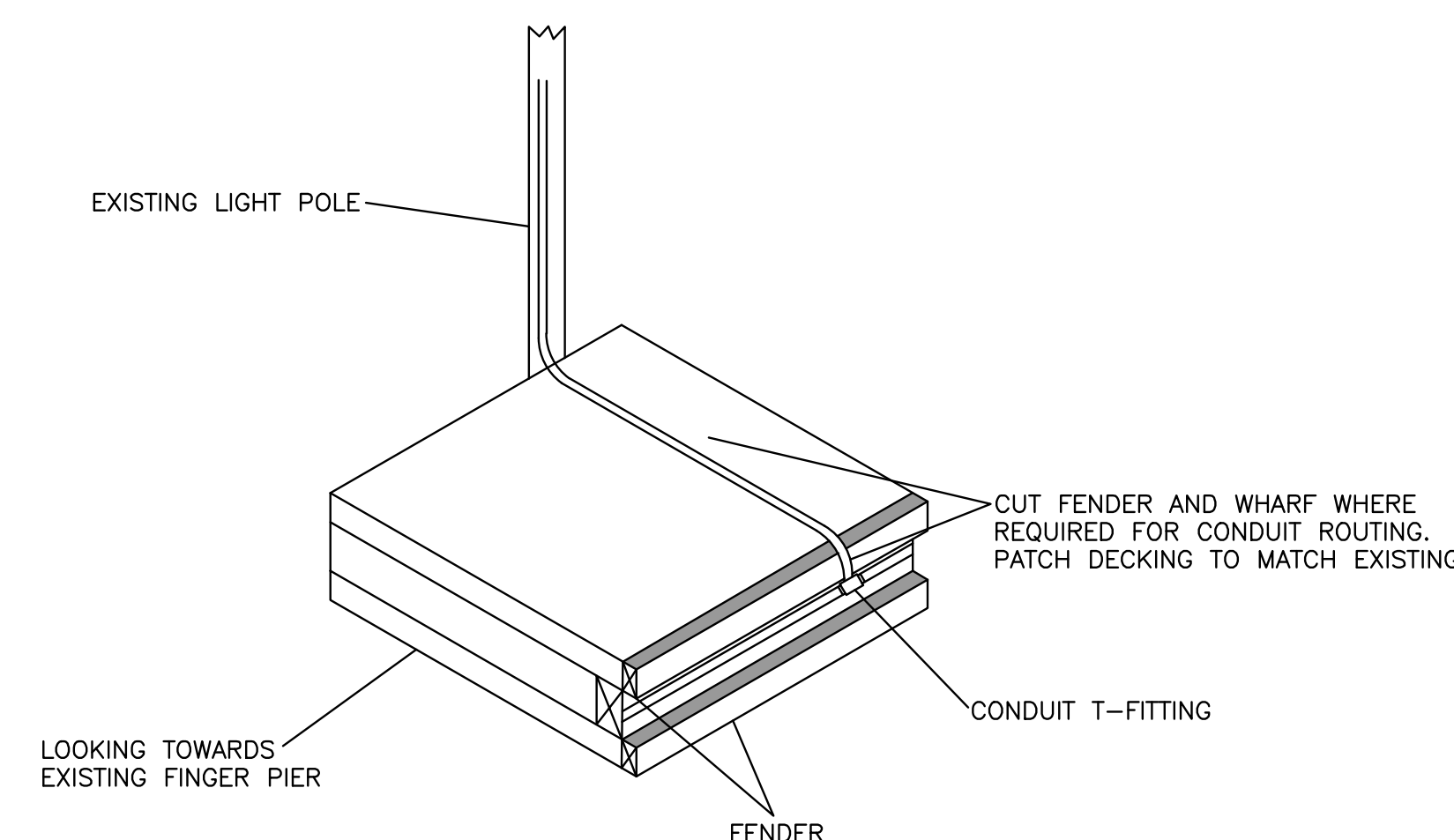
TERMINATING ENCLOSURE DETAIL
N.T.S.

SYMBOL	WIRE AND CONDUIT SIZE
①	4 #3/0 RW90 IN 63mm EPOXY COATED (INSIDE AND OUTSIDE) RIGID GALVANIZED STEEL CONDUIT.

TO UTILITY



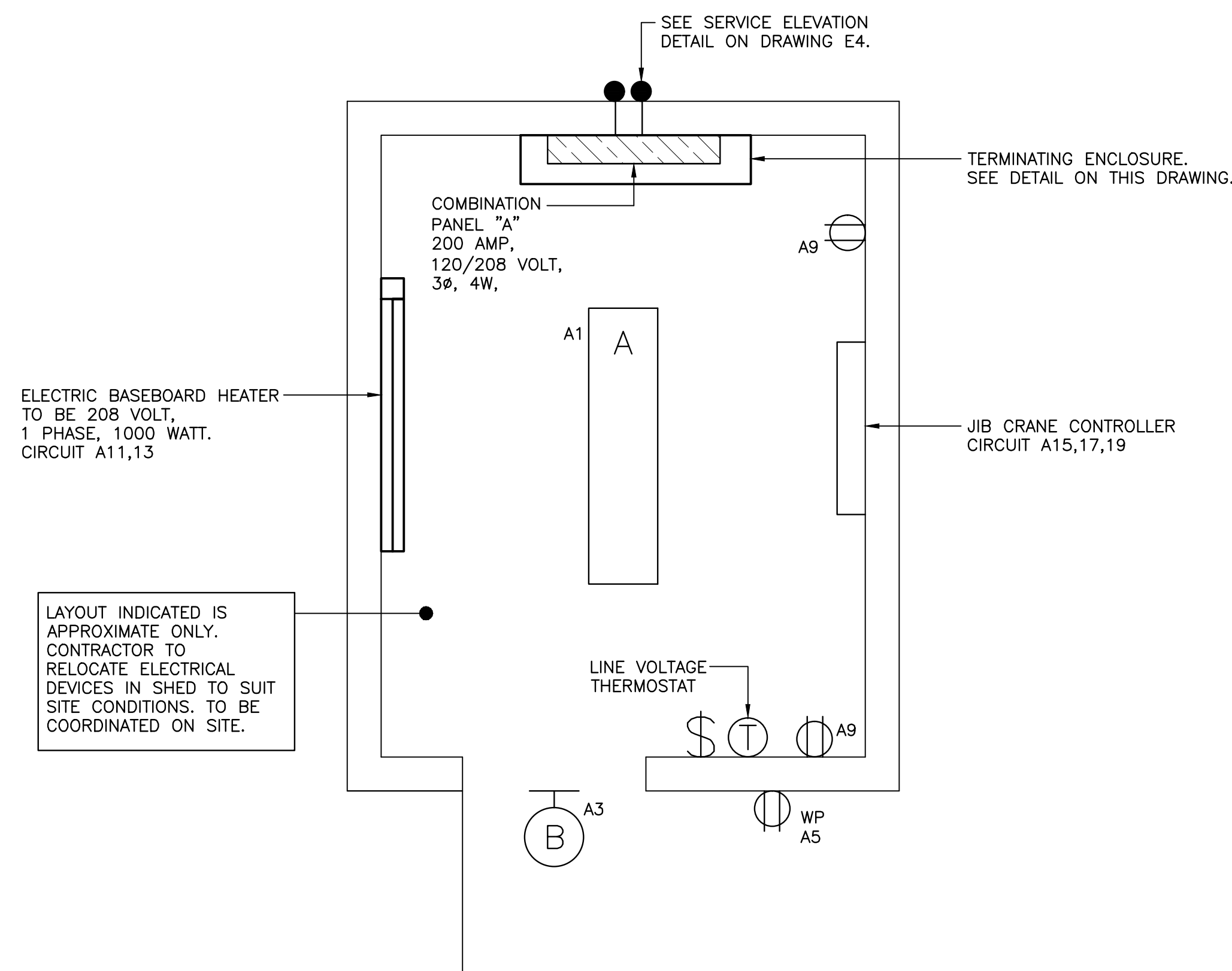
SINGLE LINE DIAGRAM
N.T.S.



NOTE:
1. CONTRACTOR TO MAINTAIN ALL MANUFACTURERS BEND RADIUS SPECIFICATIONS

STRAP NEW 27mm CONDUIT IN EXISTING FENDERS USING CORROSIVE RESISTANT STRAPPING. USE A T-FITTING TO TAP OFF TO EXISTING LIGHT POLES FOR INDIVIDUAL CIRCUITS AND ALLOWING OTHER CIRCUITS TO CONTINUE TO OTHER POLES.

FENDER DETAIL
N.T.S.



ELECTRIC HEATER SCHEDULE

TYPE	DESCRIPTION	VOLTS	WATTS	MANUFACTURER	CAT. NO.	MOUNTING	REMARKS
A	BASEBOARD	208V, 1ø	1000	OUELLET	OFM1008	WALL SURFACE	SEE NOTE 1, 2

NOTES (ELECTRIC HEATER SCHEDULE):

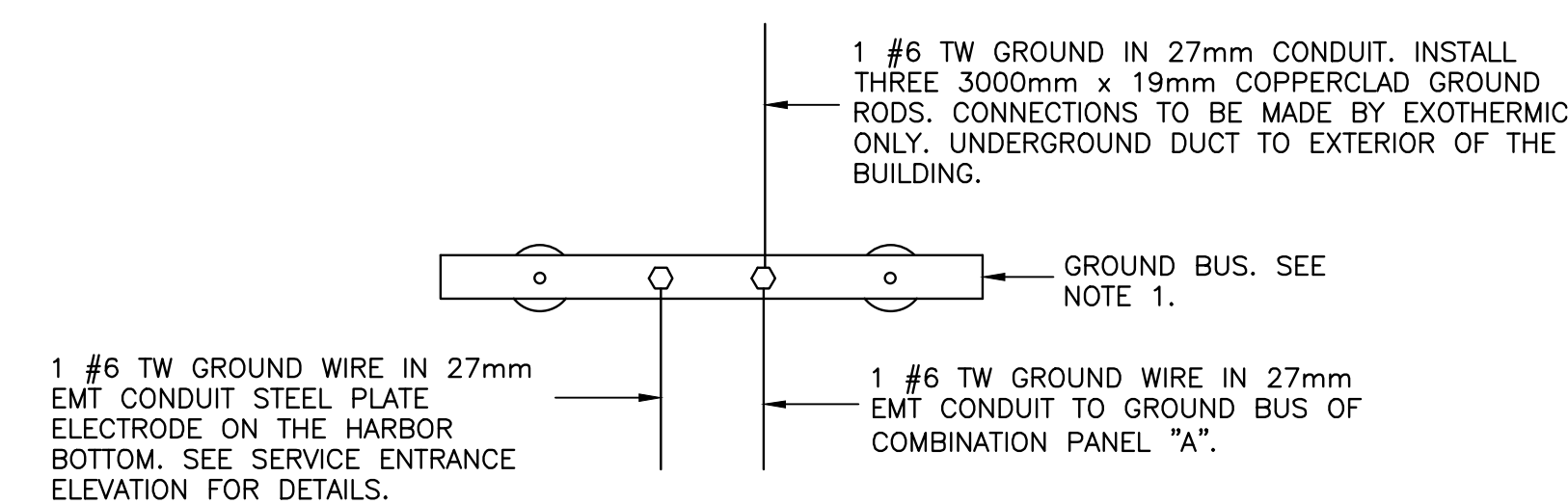
1. BOTTOM OF ELECTRIC HEATERS TO BE MOUNTED 25mm ABOVE FINISHED FLOOR.
2. ALL HEATERS TO BE WHITE IN COLOR.

LIGHTING FIXTURE SCHEDULE

SYMBOL	LIGHT SOURCE	MOUNTING	LAMPS	VOLTS	MANUFACTURER	CAT. NO.	REMARKS
A	LED	CEILING SURFACE	42W LED	120	LITHONIA	CSVT L48 5000LM MVOLT 40K 80CRI	VAPOUR TIGHT
B	LED	WALL SURFACE	13W LED	120	LITHONIA	OLWX1 LED 13W 40K PE	C/W PHOTOCCELL

SHED LAYOUT

SCALE: 1:20



NOTES:

1. GROUND BUS TO BE 600mm x 50mm x 6mm COPPER. WALL MOUNT 450mm A.F.F. ON PORCELAIN STAND-OFF TYPE INSULATORS. MOUNT NEAR SERVICE ENTRANCE BOARD.
2. RESISTANCE TO GROUND SHALL NOT EXCEED 10 OHMS. TEST AND PROVIDE ENGINEER WITH RESULTS.

GROUND BUS DETAIL
N.T.S.

0 ISSUED FOR TENDER 03/02/22

A ISSUED FOR REVIEW 01/28/22

revisions date

project projet

ELECTRICAL REPAIRS
WHARF 401
FOXTRAP, NL

drawing dessin

ELECTRICAL DETAILS

designed K.N. concu

date MARCH 2022

drawn R.J. dessine

date MARCH 2022

approved approve

Tender Paul Curran soumission

DFO Project Manager

project number C2-00471 no. du projet

drawing no. E5 OF 5 no. du dessin